

# ***Western Nevada College***

## *Welding Technology Program Review Report*

*2005-2012*

*May 2013*

## WNC Welding Technology Program Review Report

Degree: AAS in Welding Technology

Certificate: Certificate of Achievement in Welding Technology

Academic Division: Technology

Years Reviewed: 2005 – 2012

Date Submitted: May 2013

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# 1. Program Description

## A. College and Program Mission

<b>College Mission Statement</b>	<b>Program Mission Statement</b>
<p>Western Nevada College inspires success in our community through opportunities that cultivate creativity, intellectual growth and technological excellence, in an environment that nurtures individual potential and respects differences.</p>	<p>The mission of the Associate of Applied Science Degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.</p>
	<p>The mission of the Certificate of Achievement in Welding Technology is to provide employment-related knowledge and skills.</p>

## B. College and Program Goals

College Strategic Goals	Program Goals and Outcomes
<p>1. Improve student success in program completion and graduation rates.</p>	<p><b>1. Goal:</b> Evaluate the validity/viability of an AAS in Welding Technology Degree Program.</p> <p><b>Outcome:</b> Assess student learning outcomes for AAS and Certificate of Achievement in Welding Technology and make changes as needed.</p> <p><b>Outcome:</b> Update curriculum and continual professional development as needed.</p> <p><b>2. Goal:</b> Improve student success rate in degree/non-degree seeking students.</p> <p><b>Outcome:</b> Common course numbering was instituted to standardize welding courses and curriculum statewide.</p> <p><b>Outcome:</b> Students who pass welder certification tests are considered as graduates. Records will be kept to show we have a high number of graduates.</p>
<p>2. Ensure institutional excellence in teaching, programs, and services.</p>	<p><b>3. Goal:</b> Remain current with business and industry standards, requirements, and needs.</p> <p><b>Outcome:</b> Continual contact with business and industry.</p> <p><b>Outcome:</b> Continue to have Technical Skills Advisory Committee and regular meetings.</p> <p><b>Outcome:</b> An accelerated training program has been started in Carson.</p> <p><b>4. Goal:</b> Continual improvement of laboratory facilities on all campuses.</p> <p><b>Outcome:</b> Continual contact with business and industry. Inspections and changes as needed to comply with safety standards and requirements and equipment needs.</p>

<p>3. Embrace our college's many communities and respond to their diverse needs.</p>	<p><b>5. Goal:</b> Continue to meet the rural areas needs for educating/preparing students for employment in the welding field.</p> <p><b>Outcome:</b> Continual contact with rural sites to ensure they have the support and equipment needed.</p> <p><b>Outcome:</b> Welding courses are offered on multiple campuses.</p> <p><b>Outcome:</b> An accelerated training program has been started in Fallon.</p> <p><b>6. Goal:</b> Continue to support and participate in college-wide outreach efforts for served and underserved populations.</p> <p><b>Outcome:</b> All Welding Technology Faculty support and participate in college wide outreach efforts such as College Days, Bridge to Success, Tech Prep Programs, Women in Non-Traditional Careers, Latino Days, and other events.</p> <p><b>Outcome:</b> Develop methods to increase community awareness and career opportunities in the welding field.</p>
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## C. Short Description

The AAS in Welding Technology is a preparation program which offers students competencies to prepare for code exams. This allows students with varying degrees of competencies to enter the program and progress at their own pace.

This program serves the needs of the community by providing education and training in the welding field.

The program serves the community in three ways: degree seeking students, non-degree seeking students seeking certification and/or employment, and non-degree seeking students taking the courses for self-interest.

### i. Unique Characteristics

The welding program has many unique characteristics. Welding certifications, accelerated training programs, welding courses offered on multiple campuses, tech prep articulations with local high schools, on-site training, community events such as high school welding contests, etc.

The accelerated training programs are very unique. They are intensive training programs which teach the students welding and job placement skills in a 14 week time period. Students obtain welding certifications and are ultimately placed in jobs.

### ii. Concerns or Trends Affecting the Program

Trend: The need for a skilled workforce. There will always be a need for skilled welders. Mining, natural resources, renewable energy, and constant infrastructure repair are some of the many areas that require welding.

Trend: Increased enrollment. All of the courses are at or near capacity. The enrollment is currently the highest in our division.

Concern: The major success indicator at the college is graduation rate. Students who pass welding certification tests are now being considered as graduates. This will reflect on the very important and previously "unknown" success of the welding program.

Concern: Budget is always a concern. Recent budget cuts caused the cancelation of welding classes on other campuses. We are happy to report that this was only temporary and these classes have resumed. To help with the program costs some lab supplies are obtained by soliciting donations from local manufacturers. Materials used are recycled and the money goes into an account used by the welding department.

Concern: The welding department currently has only one full-time instructor. The retirement of the welding instructor in Fallon and the other full-time welding instructor serving as Technology Division Chair from 2007 until present has left the department short-handed. The term as Technology Division Chair will be over in May and the welding program expects to have additional success with two full-time instructors.

### iii. Significant Changes or Needs in the Next Five Years

Continue to change to meet the needs of business, industry, and the community.

Industry demands a well-rounded employee. More academic skills will be incorporated and emphasized in the welding courses.

## D. Program SLO/Required Course Matrix

See Attachment A: Program SLO/Required Course Matrix – AAS  
Program SLO/Required Course Matrix – CA

## E. Degrees and/or Certificates Offered

Associate of Applied Science in Welding Technology Degree  
Certificate of Achievement in Welding Technology

## F. Niches Served

Welding will always be a skill which is in demand. Training opportunities are offered for an endless range of people including displaced workers and military veterans. Some of the classes can be used as electives for other degrees. The required core courses are required for other degrees.

## 2. Quality of Program

### A. Evidence of Effectiveness

#### i. Course Scheduling/Enrollment History Report

See Attachment B: Course Scheduling/Enrollment History Report - AAS  
Course Scheduling/Enrollment History Report – CA

#### ii. Summary Data Sheet

See Attachment C: Summary Data Sheet - AAS  
Summary Data Sheet - CA

The majority of the welding courses are taught by full-time faculty, 67 – 75%. This has a definite relation to the high course completion rate, 82 – 89%. FTE is also high, ranging from 86 – 93. From 2005 to present there have been 9 degrees and 6 certificates granted. Now students who receive welding certifications will be considered as graduates, so there will be a very large increase in this number.

#### iii. Systematic Assessment

See Attachment D: Five-Year Academic Assessment Plan

Annual assessment findings include reviewing the required and elective courses and making changes to degree requirements and course outlines as needed. Student learning outcomes are reviewed and revised as needed.

The Technical Skills Advisory Committee makes program recommendations and suggests changes. Outcomes for the next five years include documenting and recording students who receive welding certifications. We will also remain current with business and industry standards and continue to meet the needs of the community.

### B. Evidence of Satisfaction

Student evaluations are generally in the excellent category and there are returning students every semester. A high percentage of students have received welding certifications, jobs, etc.

## C. Certifications/Licenses

WNC is accredited by the Northwest Commission on Colleges and Universities, the regional accrediting authority for 163 institutions.

The welding program is centered on welding certification. Welder and procedure certification is required on nearly all welding jobs today. There are many organizations that deal with this, but the major organization is the American Welding Society (AWS). The AWS publishes codes and standards which define the criteria for certification. These certifications can only be issued by an AWS Certified Welding Inspector (CWI). Both of WNC's full-time welding instructors are CWI's.

The Andy Butti Welding Technology Center has been approved by the American Welding Society (AWS) as an Accredited Test Facility (ATF). The test facility has the personnel, organization, experience, knowledge, procedures, equipment, capability, and commitment to conduct the proper welding qualification testing for the AWS Certified Welder Program (AWS QC 4-89 Standard for Accreditation of the Test Facilities for AWS Certified Welder Program). This is the **only** such facility in Nevada. It is also the **only** I-CAR (Inter-Industry Conference on Auto Collision Repair) Automotive GMA Welding Qualification Test Site in the state.

## D. Enrollment Trends

### a. student demographic

Any student who meets the WNC acceptance criteria and completes the application and registration process can enroll in welding courses. We serve students of all ages, genders, and ethnic backgrounds.

b. The main demographic in welding technology can be broken down into three areas, degree seeking students, non-degree seeking students seeking certification and/or employment, or non-degree seeking students taking courses for self-interest.

The most recent demographic information indicates the majority of students are white (77.39%), male (92.61%), and in the age groups 18-23 (34.35%), under 18 (20.00%), and 30-39 (15.22%).

c. Efforts to recruit students include visits to high schools, establishing tech prep articulations with local high schools, and serving on committees which develop high school welding and metalworking standards. The faculty also attends special events such as career and job fairs, college days, and other college and community activities.

d. Efforts to increase FTE include participating in college, high school, and community events. Several marketing campaigns have been used which include distributing fliers and filming informative video segments which are aired on television. Accelerated training programs have been started. The welding shop is open Monday thru Friday, mornings, afternoons, and evenings.

e. Student retention is a result of having a successful program. Students are encouraged to declare majors and are advised by instructors on degree requirements and receive recommendations on which courses to take. Non-degree seeking students are instructed on the certification process and career opportunities. Full-time faculty mentor and follow part-time faculty and teaching assistants evaluations and progress. Site visits are made to the other campuses. To ensure program success, changes are made based on assessment data and feedback from the Technical Skills Advisory Committee and students. We have very high student retention.

## E. Need for the Program

There is no question that there is a need for the welding program. Welding will always be a skill which is in demand. Anything made of metal relies on welding in its manufacturing or repair.

An AWS Job Outlook for Welders article said the following:

“Manual welders, however, especially those with a wide variety of skills, will increasingly be needed for sophisticated fabrication tasks and repair work that do not lend themselves to automation.”

In northern Nevada, The Nevada Occupational Employment and Projections are expecting over a 3% growth rate. Nationwide, The U.S Bureau of Labor Statistics is projecting an increase of 15% (50,700 jobs) by 2020. The following is taken from an economic news release:

“In terms of typical on-the job training, occupations that typically require apprenticeships are projected to grow the fastest (22.5%)

“Over the 2010-20 decade, 54.8 million total job openings are expected. While growth will lead to many openings, more than half – 61.6 % - will come from the need to replace workers who retire or otherwise permanently leave an occupation. In 4 out of 5 occupations, openings due to replacement needs exceed the number due to growth. Replacement needs are expected in every occupation, even those that are declining.”

“Over two-thirds of all job openings are expected to be in occupations that typically do not need postsecondary education for entry. Eighteen of the 30 occupations with the largest number of projected total job openings are classified as typically needing short-term on-the-job training.”

The same article also listed junior colleges, colleges, universities, and professional schools as one of the top 20 industries with the largest projected wage and salary employment growth.

The Welding Technology Program at Western Nevada College is needed to train these welders.

## F. Curriculum Review Report

See Attachment E: Curriculum Review Report

The Curriculum Review Report for Welding Technology is attached. Included in the report are the course requirements for the AAS and Certificate of Achievement, suggested course sequence, and course outlines.

## G. Findings and Recommendations

Finding: Accelerated welding programs are successfully placing students in jobs.

Finding: Welding courses continue to be in demand and fulfill a need in the community.

Finding: Most of the welding courses at WNC are taught by full-time faculty who hold national certification from the American Welding Society (AWS). Students benefit from having their expertise, and there is a high completion rate in the program.

Finding: The Andi Butti Welding Technology Center has been approved by the AWS as an Accredited Test Facility (ATF). WNC benefits from having the only such facility in Nevada.

Finding: The retention rate in the program is excellent. Efforts continue to recruit and retain new students.

Recommendation: Include tracking of student completion rates in the future.

Recommendation: Old or obsolete equipment be upgraded or replaced.

## Attachment A: Program SLO/Required Course Matrix

### AAS in Welding Technology

#### Student Learning Outcomes Matrix

Upon completing the AAS in Welding Technology, students will be able to:

Outcomes*	
1	Demonstrate knowledge of subject matter appropriate to the AAS in Welding Technology
2	Acquire skills and perform tasks necessary for employment or career enhancement
3	Present themselves effectively to a potential employer
4	Utilize appropriate resources to remain current in the welding field
5	
6	
7	
8	
9	
10	

Required Courses		Outcomes									
Course #	Name	1	2	3	4	5	6	7	8	9	10
DFT 100	Basic Drafting Principles	2	2	2	3						
WELD 211	Welding II	3	3	3	3						
WELD 212B	Welding I Practice	2	2	2	2						
WELD 221	Welding II	3	3	3	3						
WELD 222B	Welding II Practice	2	2	2	2						
WELD 231	Welding III	3	3	3	3						
WELD 232B	Welding III Practice	2	2	2	2						
WELD 241	Welding IV	3	3	3	3						
WELD 242B	Welding IV Practice	2	2	2	2						
WELD 250B	Welding Certification Prep	3	3	3	3						

Assign a value to which each outcome is represented in each required class: 1 = slightly, 2 = moderately, 3 = significantly

\* Outcomes must be measurable

Program SLO/Required Course Matrix

**Certificate of Achievement in Welding Technology**

**Student Learning Outcomes Matrix**

Upon completing the Certificate of Achievement in Welding Technology, students will be able to:

Outcomes*	
1	Demonstrate knowledge appropriate to the Certificate of Achievement in Welding Technology
2	
3	
4	
5	
6	
7	
8	
9	
10	

Required Courses		Outcomes									
Course #	Name	1	2	3	4	5	6	7	8	9	10
WELD 211	Welding I	3									
WELD 212B	Welding I Practice	3									
WELD 221	Welding II	3									
WELD 222B	Welding II Practice	3									
WELD 250B	Welding Certification Prep	3									
WELD elective		3									

Assign a value to which each outcome is represented in each required class: 1 = slightly, 2 = moderately, 3 = significantly

\* Outcomes must be measurable

Attachment B: Course Scheduling/Enrollment History – AAS

AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Electives\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
CARSON	ET 131B C01	ELECTRONICS I	MW	11:00A-12:50P									
CARSON	ET 131B C01	ELECTRONICS I	TTH	06:00P-10:00P	6								C
CARSON	MTL 224B C01	WELDING PROJECTS			5	7							
CARSON	MTL 224B C01	WELDING PROJECTS	T	01:00P-03:45P			3	4					
CARSON	MTL 224B C02	WELDING PROJECTS			C								
CARSON	MTL 224B C02	WELDING PROJECTS	TH	07:00P-09:45P			C						
CARSON	MTL 224B C10	WELDING PROJECTS			10			15					
CARSON	MTL 224B C10	WELDING PROJECTS	MTWTH	08:00A-04:00P		8	8						
CARSON	MTT 105B C01	MACHINE SHOP I	W	07:00P-09:45P	11	12	13	12	11	11			19
CARSON	MTT 105B C01	MACHINE SHOP I	W	07:00P-10:00P									
CARSON	MTT 105B C02	MACHINE SHOP I	W	07:00P-10:00P	6						16		
CARSON	MTT 105B C02	MACHINE SHOP I	MTWTHF	12:15P-02:20P									10
CARSON	MTT 105B C03	MACHINE SHOP I	W	09:00A-11:45A						3			
CARSON	MTT 105B C03	MACHINE SHOP I	MTWTHF	12:15P-02:15P					13	C	22	5	13
CARSON	MTT 105B C03	MACHINE SHOP I	MTWTHF	12:15P-02:20P	3	5	19	1					
CARSON	MTT 105B C05	MACHINE SHOP I	W	09:00A-11:45A									
CARSON	MTT 105B C05	MACHINE SHOP I	W	09:00A-12:00P					9				15
CARSON	WELD224B C01	WELDING PROJECTS	T	01:00P-03:45P							11		
CARSON	WELD224B C01	WELDING PROJECTS	TH	04:00P-06:45P					10	14	4	7	
CARSON	WELD224B C10	WELDING PROJECTS	MTWTH	08:00A-04:00P									9
CARSON	WELD290B C01	INTERNSHIP IN WELDING											
FALLON	MTL 224B F01	WELDING PROJECTS				1							
FALLON	MTL 224B F01	WELDING PROJECTS	T	07:00P-09:45P			2						
FALLON	MTL 224B F02	WELDING PROJECTS	TH	07:00P-09:45P				2					
FALLON	MTL 290B F01	COOPERATIVE EDUCATION											
FALLON	MTT 105B F01	MACHINE SHOP I											
FALLON	MTT 105B F01	MACHINE SHOP I	MW	05:30P-06:45P			C						
FALLON	MTT 105B F01	MACHINE SHOP I	TTH	05:30P-06:45P	6			6					
FALLON	MTT 105B F01	MACHINE SHOP I	W	06:00P-08:45P						C			
FALLON	WELD224B F01	WELDING PROJECTS	T	06:00P-08:45P									
FALLON	WELD224B F01	WELDING PROJECTS	W	06:00P-08:45P					1				
FALLON	WELD224B F01	WELDING PROJECTS	W	06:00P-08:45P							5	C	
FALLON	WELD224B F02	WELDING PROJECTS	TH	06:00P-08:45P									2
FALLON	WELD224B F03	WELDING PROJECTS	M	06:00P-08:45P									
FERNLEY	MTT 105B E01	MACHINE SHOP I	TTH	06:00A-04:00P						1			
PRISON	MTL 224B N01	WELDING PROJECTS	F	09:00A-03:00P	2								4

I:\Institutional Research\Program Review & Assessment\Academic Programs\AASWLD Welding Technology\Program Reviews\AASWLD Enrollment & Scheduling History (electives)  
 9/25/2009  
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AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Electives\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
PRISON	MTL 224B N01	WELDING PROJECTS	F	09:00A-12:00P		C	1	C					
PRISON	MTL 290B N01	COOPERATIVE EDUCATION				C							
PRISON	MTL 290B N01	COOPERATIVE EDUCATION	F	09:00A-12:00P	1								
PRISON	WELD224B N01	WELDING PROJECTS	F	09:00A-12:00P					1				
PRISON	WELD224B N01	WELDING PROJECTS	W	09:00A-12:00P						C			
PRISON	WELD290B N01	INTERNSHIP IN WELDING										0	
WEB	ET 131B W01	ELECTRONICS I				5	C	10	9			18	28
WEB	ET 131B W02	ELECTRONICS I							4			3	
WEB	ET 131B W03	ELECTRONICS I				C							1

2009-2010 AASWLD Program Electives: ET 131B, MTT 105B or WELD151B (formerly MTL 150B), WELD224B (MTL 224B), WELD290B (MTL 290B).

AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Requirements\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
CARSON	DFT 100 C01	BASIC DRAFTING PRINCIPLES	T	07:00P-09:45P	7	C	14		16				
CARSON	DFT 100 C01	BASIC DRAFTING PRINCIPLES	T	04:00P-06:45P	23	10	13	11		9		2	13
CARSON	MTL 212 C01	WELDING I	M	09:00A-11:45A		9		7					
CARSON	MTL 212 C02	WELDING I	M	11:00A-02:00P	9								
CARSON	MTL 212 C02	WELDING I	M	01:00P-03:45P			7						
CARSON	MTL 212 C03	WELDING I	M	04:00P-06:45P		9	5	8					
CARSON	MTL 212 C10	WELDING I			4			8					
CARSON	MTL 212 C10	WELDING I	MTWTH	08:00A-04:00P		7	6						
CARSON	MTL 213 C01	WELDING II	W	07:00P-09:45P	7	16	12	C					
CARSON	MTL 213 C02	WELDING II	T	10:00A-12:45P		7	9	12					
CARSON	MTL 213 C02	WELDING II	T	11:00A-02:00P	8								
CARSON	MTL 213 C10	WELDING II			4			8					
CARSON	MTL 213 C10	WELDING II	MTWTH	08:00A-04:00P		3	6						
CARSON	MTL 217B C01	WELDING III	TH	04:00P-06:45P	4	4	6	5					
CARSON	MTL 217B C02	WELDING III	TH	07:00P-09:45P			1						
CARSON	MTL 217B C10	WELDING III			4			5					
CARSON	MTL 217B C10	WELDING III	MTWTH	08:00A-04:00P		4	4						
CARSON	MTL 218B C01	WELDING IV	TH	04:00P-06:45P	2	3	2	6					
CARSON	MTL 218B C02	WELDING IV	TH	07:00P-09:45P			2						
CARSON	MTL 218B C10	WELDING IV			4			3					
CARSON	MTL 218B C10	WELDING IV	MTWTH	08:00A-04:00P		3	2						
CARSON	MTL 292B C01	WELDING II PRACTICE			2	10							
CARSON	MTL 292B C01	WELDING II PRACTICE	W	04:00P-06:45P			C	5					
CARSON	MTL 292B C02	WELDING II PRACTICE			4	3							
CARSON	MTL 292B C02	WELDING II PRACTICE	T	08:30A-11:15A			7	4					
CARSON	MTL 292B C10	WELDING II PRACTICE			5			8					
CARSON	MTL 292B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P		3	6						
CARSON	MTL 293B C01	WELDING III PRACTICE			4	3							
CARSON	MTL 293B C01	WELDING III PRACTICE	TH	04:00P-06:45P			4	1					
CARSON	MTL 293B C10	WELDING III PRACTICE			2	2	5	4					
CARSON	MTL 293B C10	WELDING III PRACTICE	MTWTH	08:00A-04:00P		2							
CARSON	MTL 294B C01	WELDING IV PRACTICE			2	1							

AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Requirements\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
CARSON	MTL 294B C01	WELDING IV PRACTICE	TH	07:00P-09:45P			1	8					
CARSON	MTL 294B C10	WELDING IV PRACTICE			3			1					
CARSON	MTL 294B C10	WELDING IV PRACTICE	MTWTH	08:00A-04:00P			3	4					
CARSON	MTL 296B C01	AWS CODE PREPARATION			4		9						
CARSON	MTL 296B C01	AWS CODE PREPARATION	T	01:00P-03:45P				1	C				
CARSON	MTL 296B C02	AWS CODE PREPARATION			1		2						
CARSON	MTL 296B C02	AWS CODE PREPARATION	T	01:00P-03:45P				C		2			
CARSON	MTL 296B C03	AWS CODE PREPARATION				C							
CARSON	MTL 296B C03	AWS CODE PREPARATION	TH	04:00P-06:45P				6	6				
CARSON	MTL 296B C04	AWS CODE PREPARATION											
CARSON	MTL 296B C10	AWS CODE PREPARATION											
CARSON	MTL 296B C10	AWS CODE PREPARATION			5								
CARSON	MTL 296B C10	AWS CODE PREPARATION	MTWTH	08:00A-04:00P			6	8					
CARSON	WELD211 C01	WELDING I	T	04:00P-06:45P						19	17	16	16
CARSON	WELD211 C02	WELDING I	M	01:00P-03:45P						14	14		
CARSON	WELD211 C02	WELDING I	W	01:00P-03:45P								13	
CARSON	WELD211 C02	WELDING I	T	01:00P-03:45P									15
CARSON	WELD211 C03	WELDING I	M	04:00P-06:45P									
CARSON	WELD211 C03	WELDING I	S	09:00A-11:45A									9
CARSON	WELD211 C10	WELDING I	MTWTH	08:00A-04:00P									
CARSON	WELD212B C01	WELDING I PRACTICE	M	09:00A-11:45A						19	18	9	19
CARSON	WELD212B C02	WELDING I PRACTICE	M	02:30P-05:15P									14
CARSON	WELD212B C02	WELDING I PRACTICE	S	12:00P-02:45P									
CARSON	WELD212B C10	WELDING I PRACTICE	MTWTH	08:00A-04:00P									8
CARSON	WELD221 C01	WELDING II											
CARSON	WELD221 C01	WELDING II	M	04:00P-06:45P									12
CARSON	WELD221 C01	WELDING II	T	04:00P-06:45P						20			15
CARSON	WELD221 C01	WELDING II	W	06:00P-08:45P									
CARSON	WELD221 C02	WELDING II											
CARSON	WELD221 C02	WELDING II	M	04:00P-06:45P									13
CARSON	WELD221 C02	WELDING II	T	09:30A-12:15P									
CARSON	WELD221 C10	WELDING II	MTWTH	08:00A-04:00P									
CARSON	WELD222B C01	WELDING II PRACTICE	T	04:00P-06:45P									7
CARSON	WELD222B C01	WELDING II PRACTICE	TH	04:00P-06:45P						14			11

AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Requirements\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
CARSON	WELD222B C01	WELDING II PRACTICE	W	04:00P-06:45P				C					
CARSON	WELD222B C02	WELDING II PRACTICE	T	08:00A-10:45A				C					
CARSON	WELD222B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P				C					
CARSON	WELD231B C01	WELDING III	TH	04:00P-06:45P				3	3				5
CARSON	WELD231B C01	WELDING III	TH	05:00P-07:45P						11		4	
CARSON	WELD231B C01	WELDING III	W	04:00P-06:45P									
CARSON	WELD231B C02	WELDING III	TH	07:00P-09:45P				6	C				
CARSON	WELD231B C02	WELDING III	W	06:00P-08:45P								C	
CARSON	WELD231B C03	WELDING III	M	04:00P-06:45P								2	
CARSON	WELD231B C10	WELDING III	MTWTH	08:00A-04:00P				C					2
CARSON	WELD232B C01	WELDING III PRACTICE	TH	04:00P-06:45P				7	6	6	6	6	
CARSON	WELD232B C01	WELDING III PRACTICE	TH	07:00P-09:45P									2
CARSON	WELD232B C10	WELDING III PRACTICE	MTWTH	08:00A-04:00P				C					
CARSON	WELD241B C01	WELDING IV	TH	04:00P-06:45P				6	5	2	C		
CARSON	WELD241B C01	WELDING IV	TH	07:00P-09:45P									8
CARSON	WELD241B C02	WELDING IV	TH	07:00P-09:45P				C	1	C		2	
CARSON	WELD241B C10	WELDING IV	MTWTH	08:00A-04:00P				C					2
CARSON	WELD242B C01	WELDING IV PRACTICE	TH	04:00P-06:45P									3
CARSON	WELD242B C01	WELDING IV PRACTICE	TH	07:00P-09:45P				5	6	2	C		
CARSON	WELD242B C10	WELDING IV PRACTICE	MTWTH	08:00A-04:00P				C				7	
CARSON	WELD250B C01	WELD CERTIFICATION PREP	T	01:00P-03:45P				C	6			7	
CARSON	WELD250B C01	WELD CERTIFICATION PREP	TH	04:00P-06:45P						14		4	10
CARSON	WELD250B C02	WELD CERTIFICATION PREP	T	01:00P-03:45P				C	C			4	
CARSON	WELD250B C02	WELD CERTIFICATION PREP	TH	04:00P-09:45P									4
CARSON	WELD250B C03	WELD CERTIFICATION PREP	TH	04:00P-06:45P				9	3			5	
CARSON	WELD250B C10	WELD CERTIFICATION PREP	MTWTH	08:00A-04:00P				C					
DOUGLAS	MTL 212 D01	WELDING I	S	09:00A-11:45A	C	8	4	4					
DOUGLAS	MTL 212 D02	WELDING I	MW	05:30P-06:45P			C						
DOUGLAS	MTL 213 D01	WELDING II	S	09:00A-11:45A			1						
DOUGLAS	MTL 213 D02	WELDING II	MW	05:30P-06:45P			C						
DOUGLAS	MTL 292B D01	WELDING II PRACTICE	S	11:45A-01:30P			1						
DOUGLAS	WELD211 D01	WELDING I	S	09:00A-11:45A				C	12	9	10	C	
DOUGLAS	WELD211 D02	WELDING I	M	04:00P-06:45P					C				

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AASWLD Program Review 2009-2010  
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 \*\*\*Program Requirements\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
DOUGLAS	WELD211 D02	WELDING I	M	06:00P-08:45P								12	C
DOUGLAS	WELD211 D02	WELDING I	MW	05:30P-06:45P									
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	11:45A-01:30P						C			
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-01:45P						7		C	C
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-02:30P								6	
DOUGLAS	WELD212B D02	WELDING I PRACTICE	S	12:30P-03:30P						C			
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	04:00P-06:45P									
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	06:00P-08:45P								9	
DOUGLAS	WELD221 D01	WELDING II	S	09:00A-11:45A						C		5	
DOUGLAS	WELD221 D01	WELDING II	W	04:00P-06:45P									C
DOUGLAS	WELD221 D01	WELDING II	W	06:00P-08:45P									C
DOUGLAS	WELD221 D02	WELDING II	M	04:00P-06:45P						C			
DOUGLAS	WELD221 D02	WELDING II	M	06:00P-08:45P								7	
DOUGLAS	WELD221 D02	WELDING II	MW	05:30P-06:45P						C			
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-01:45P									
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-02:30P								2	
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	04:00P-06:45P									C
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	06:00P-08:45P								3	
FALLON	MTL 212 F01	WELDING I	M	07:00P-09:45P	9	12	12	13					
FALLON	MTL 212 F02	WELDING I	MTWTH	09:30A-12:15P			C						
FALLON	MTL 212 F02	WELDING I	MTWTHF	09:30A-12:15P		2							
FALLON	MTL 212 F02	WELDING I	T	08:30A-11:15A	2								
FALLON	MTL 212 F02	WELDING I	T	09:30A-12:15P				8					
FALLON	MTL 213 F01	WELDING II	T	07:00P-09:45P	6	4	3	4					
FALLON	MTL 213 F02	WELDING II	MTWTH	09:30A-12:15P			C						
FALLON	MTL 213 F02	WELDING II	TH	08:30A-11:15A	1	1							
FALLON	MTL 213 F02	WELDING II	TH	09:30A-12:15P				1					
FALLON	MTL 217B F01	WELDING III	TH	07:00P-09:45P	5	4	3	4					
FALLON	MTL 217B F02	WELDING III	MTWTH	09:30A-12:15P			C						
FALLON	MTL 217B F02	WELDING III	MTWTHF	09:30A-12:15P		2							
FALLON	MTL 217B F02	WELDING III	TH	09:30A-12:15P				C					
FALLON	MTL 218B F01	WELDING IV	T	07:00P-09:45P	2	3	1	C					
FALLON	MTL 292B F01	WELDING II PRACTICE	MTWTH	09:30A-12:15P			C						

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Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
FALLON	MTL 292B F01	WELDING II PRACTICE	T	08:30A-11:15A	3								
FALLON	MTL 292B F01	WELDING II PRACTICE	TH	07:00P-08:45P		5							
FALLON	MTL 292B F01	WELDING II PRACTICE	TH	07:00P-09:45P				4					
FALLON	MTL 292B F02	WELDING II PRACTICE	T	09:30A-12:15P				2					
FALLON	MTL 292B F02	WELDING II PRACTICE	TH	07:00P-09:45P	5		3						
FALLON	MTL 293B F01	WELDING III PRACTICE	T	07:00P-08:45P		4							
FALLON	MTL 293B F01	WELDING III PRACTICE	T	07:00P-09:45P	5		2	4					
FALLON	MTL 293B F02	WELDING III PRACTICE	MTWTH	09:30A-12:15P			C						
FALLON	MTL 293B F02	WELDING III PRACTICE	MTWTHF	09:30A-12:15P			2						
FALLON	MTL 293B F02	WELDING III PRACTICE	T	09:30A-12:15P				C					
FALLON	MTL 293B F02	WELDING III PRACTICE	TH	08:30A-11:15A	C								
FALLON	MTL 294B F01	WELDING IV PRACTICE	TH	07:00P-09:45P	2		1						
FALLON	MTL 294B F02	WELDING IV PRACTICE	TH	07:00P-08:45P		3							
FALLON	MTL 294B F02	WELDING IV PRACTICE	TH	07:00P-09:45P				1					
FALLON	MTL 296B F01	AWS CODE PREPARATION	T	07:00P-09:45P	C	2	2	5					
FALLON	MTL 296B F02	AWS CODE PREPARATION	TH	07:00P-09:45P	C	3	2	2					
FALLON	WELD211 F01	WELDING I	M	06:00P-08:45P					9	6	11	11	15
FALLON	WELD211 F02	WELDING I	T	09:30A-12:15P					2	1	C		
FALLON	WELD212B F01	WELDING I PRACTICE	T	06:00P-08:45P					6		7		
FALLON	WELD212B F01	WELDING I PRACTICE	TH	06:00P-08:45P						6			
FALLON	WELD212B F01	WELDING I PRACTICE	W	06:00P-08:45P								3	11
FALLON	WELD212B F02	WELDING I PRACTICE	T	09:30A-12:15P					1				
FALLON	WELD212B F02	WELDING I PRACTICE	TH	09:30A-12:15P						1	C		
FALLON	WELD212B F03	WELDING I PRACTICE	T	06:00P-08:45P								6	
FALLON	WELD212B F03	WELDING I PRACTICE	TH	06:00P-08:45P					4	C	4		
FALLON	WELD221 F01	WELDING II	T	06:00P-08:45P					5	5		4	
FALLON	WELD221 F01	WELDING II	TH	09:30A-12:15P							C		
FALLON	WELD221 F01	WELDING II	W	06:00P-08:45P									3
FALLON	WELD221 F02	WELDING II	T	06:00P-08:45P								2	
FALLON	WELD221 F02	WELDING II	TH	09:30A-12:15P					2	2			
FALLON	WELD222B F01	WELDING II PRACTICE	T	09:30A-12:15P					2	1	C		
FALLON	WELD222B F01	WELDING II PRACTICE	TH	06:00P-08:45P									4
FALLON	WELD222B F01	WELDING II PRACTICE	W	06:00P-08:45P								5	

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AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Requirements\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
FALLON	WELD222B F02	WELDING II PRACTICE	TH	06:00P-08:45P					5	5	1		
FALLON	WELD231B F01	WELDING III	TH	09:30A-12:15P						C			
FALLON	WELD231B F01	WELDING III	TH	06:00P-08:45P					6	6			4
FALLON	WELD231B F01	WELDING III	W	06:00P-08:45P								1	
FALLON	WELD231B F02	WELDING III	TH	09:30A-12:15P					C				
FALLON	WELD231B F02	WELDING III	TH	06:00P-08:45P						C			
FALLON	WELD232B F01	WELDING III PRACTICE	T	09:30A-12:15P								C	
FALLON	WELD232B F01	WELDING III PRACTICE	T	06:00P-08:45P					6	5		C	
FALLON	WELD232B F01	WELDING III PRACTICE	W	06:00P-08:45P								C	4
FALLON	WELD232B F02	WELDING III PRACTICE	T	09:30A-12:15P									4
FALLON	WELD232B F02	WELDING III PRACTICE	T	06:00P-08:45P					C				
FALLON	WELD232B F02	WELDING III PRACTICE	T	06:00P-08:45P						C			
FALLON	WELD241B F01	WELDING IV	T	06:00P-08:45P					2	C			
FALLON	WELD241B F01	WELDING IV	W	06:00P-08:45P								2	1
FALLON	WELD242B F01	WELDING IV PRACTICE	TH	06:00P-08:45P					2	0	C		1
FALLON	WELD250B F01	WELD CERTIFICATION PREP	T	06:00P-08:45P					4	5	0		
FALLON	WELD250B F01	WELD CERTIFICATION PREP	W	06:00P-08:45P								4	1
FALLON	WELD250B F01	WELD CERTIFICATION PREP											
FALLON	WELD250B F02	WELD CERTIFICATION PREP	T	06:00P-08:45P					C				
FALLON	WELD250B F02	WELD CERTIFICATION PREP	TH	06:00P-08:45P								5	
FALLON	WELD250B F02	WELD CERTIFICATION PREP	TH	09:30A-12:15P						5	3		2
FALLON	WELD250B F03	WELD CERTIFICATION PREP	TH	07:00P-09:45P									
FERNLEY	MTL 212 E01	WELDING I	TH	08:00A-05:00P						C			
FERNLEY	WELD221 E01	WELDING II	TH	08:00A-05:00P								6	
FERNLEY	WELD250B E01	WELD CERTIFICATION PREP	TH	08:00A-05:00P								6	
FERNLEY	WELD250B E02	WELD CERTIFICATION PREP	TH	06:00A-04:00P								4	
PRISON	MTL 212 N01	WELDING I	F	09:00A-12:00P	2	C							
PRISON	MTL 213 N01	WELDING II	F	09:00A-12:00P	2	C	3						
PRISON	MTL 217B N01	WELDING III	F	09:00A-12:00P	2	C	2						
PRISON	MTL 218B N01	WELDING IV	F	09:00A-12:00P	0	C	1						
PRISON	MTL 292B N01	WELDING II PRACTICE	F	09:00A-12:00P	0	C	1						
PRISON	MTL 292B N01	WELDING II PRACTICE	F	12:00P-03:00P	2	C	2						
PRISON	MTL 293B N01	WELDING III PRACTICE	F	12:00P-03:00P	C	C	1						
PRISON	MTL 294B N01	WELDING IV PRACTICE	F	12:00P-03:00P	C	C	1						
PRISON	MTL 294B N01	WELDING IV PRACTICE	TH	12:00P-03:00P	C	C	1						

AASWLD Program Review 2009-2010  
 Enrollment/Scheduling History  
 \*\*\*Program Requirements\*\*\*

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
PRISON	MTL 296B N01	AWS CODE PREPARATION	F	09:00A-03:00P	1	C	1	C					
PRISON	MTL 296B N01	AWS CODE PREPARATION	F	09:00A-03:00P	1	C	1	C					
PRISON	MTL 296B N03	AWS CODE PREPARATION	F	09:00A-12:00P		C			2				
PRISON	WELD211 N01	WELDING I	F	09:00A-12:00P						1			
PRISON	WELD211 N01	WELDING I	W	09:00A-12:00P									
PRISON	WELD212B N01	WELDING I PRACTICE	F	12:00P-03:00P					1				
PRISON	WELD212B N01	WELDING I PRACTICE	W	12:00P-03:00P						1			
PRISON	WELD221 N01	WELDING II	F	09:00A-12:00P					1				
PRISON	WELD221 N01	WELDING II	W	09:00A-12:00P						1			
PRISON	WELD222B N01	WELDING II PRACTICE	F	12:00P-03:00P					1				
PRISON	WELD222B N01	WELDING II PRACTICE	W	12:00P-03:00P						C			
PRISON	WELD231B N01	WELDING III	F	09:00A-12:00P					1				
PRISON	WELD231B N01	WELDING III	W	09:00A-12:00P						1			
PRISON	WELD232B N01	WELDING III PRACTICE	F	12:00P-03:00P					1				
PRISON	WELD232B N01	WELDING III PRACTICE	W	12:00P-03:00P						1			
PRISON	WELD241B N01	WELDING IV	F	09:00A-12:00P					C				
PRISON	WELD241B N01	WELDING IV	W	09:00A-12:00P						1			
PRISON	WELD242B N01	WELDING IV PRACTICE	F	12:00P-03:00P					C				
PRISON	WELD242B N01	WELDING IV PRACTICE	W	12:00P-03:00P						1			
PRISON	WELD250B N01	WELD CERTIFICATION PREP	W	12:00P-03:00P					2	4			

2009-2010 AASWLD Program Requirements: DFT 100, WELD211 (formerly MTL 212), WELD212B, WELD221 (MTL 213), WELD222B (MTL 292B), WELD231B (MTL 217B), WELD232B (MTL 293B), WELD241B (MTL 218B), WELD242B (MTL 294B), WELD250B (MTL 296B).

AAS Welding Technology 2010-2011 Program Review  
 ENROLLMENT/SCHEDULING HISTORY  
 \*\*\*Program Requirements and Program Electives\*\*\*

C=canceled section

Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)

**2009-2010 Program Requirements and Electives:** DFT 100; ET 131B; MTT 105B; WELD 151B, 211 (MTL 212), 212B, 221 (MTL 213), 222B (MTL 292B), 224B (MTL 224B), 231B (MTL 217B), 232B (MTL 293B), 241B (MTL 218B), 242B (MTL 294B), 250B (MTL 296B), 290B (MTL 290B). Other "Related Welding Courses" not included in this report.

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
CARSON	DFT 100 C01	BASIC DRAFTING PRINCIPLES	T	07:00P-09:45P	14					2		
CARSON	DFT 100 C01	BASIC DRAFTING PRINCIPLES	T	11:00A-12:50P		16					10	
CARSON	ET 131B C01	ELECTRONICS I	MW	04:00P-06:45P	13			C				9
CARSON	MTL 212 C01	WELDING I	T	09:00A-11:45A								
CARSON	MTL 212 C02	WELDING I	M	01:00P-03:45P	7							
CARSON	MTL 212 C02	WELDING I	M	04:00P-06:45P	5							
CARSON	MTL 212 C03	WELDING I	M									
CARSON	MTL 212 C10	WELDING I	MTWTH	08:00A-04:00P	6							8
CARSON	MTL 213 C01	WELDING II	W	07:00P-09:45P	12	C						
CARSON	MTL 213 C02	WELDING II	T	10:00A-12:45P	9							12
CARSON	MTL 213 C10	WELDING II	MTWTH	08:00A-04:00P	6							8
CARSON	MTL 217B C01	WELDING III	TH	04:00P-06:45P	6							5
CARSON	MTL 217B C02	WELDING III	TH	07:00P-09:45P	1							
CARSON	MTL 217B C10	WELDING III	MTWTH	08:00A-04:00P	4							5
CARSON	MTL 217B C10	WELDING III	TH	04:00P-06:45P	2							6
CARSON	MTL 218B C01	WELDING IV	TH	07:00P-09:45P	2							
CARSON	MTL 218B C10	WELDING IV	MTWTH	08:00A-04:00P	2							3
CARSON	MTL 224B C01	WELDING PROJECTS	T	01:00P-03:45P	3							4
CARSON	MTL 224B C02	WELDING PROJECTS	TH	07:00P-09:45P	C							
CARSON	MTL 224B C10	WELDING PROJECTS	MTWTH	08:00A-04:00P	8							15
CARSON	MTL 292B C01	WELDING II PRACTICE	W	04:00P-06:45P	C							5
CARSON	MTL 292B C02	WELDING II PRACTICE	T	08:30A-11:15A	7							4
CARSON	MTL 292B C10	WELDING II PRACTICE										8

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 ENROLLMENT/SCHEDULING HISTORY  
 \*\*\*Program Requirements and Program Electives\*\*\*  
 C= canceled section  
 Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
CARSON	MTL 292B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P	6							
CARSON	MTL 293B C01	WELDING III PRACTICE	TH	04:00P-06:45P	4	1						
CARSON	MTL 293B C10	WELDING III PRACTICE				4						
CARSON	MTL 293B C10	WELDING III PRACTICE	MTWTH	08:00A-04:00P	5							
CARSON	MTL 294B C01	WELDING IV PRACTICE	TH	07:00P-09:45P	1	8						
CARSON	MTL 294B C10	WELDING IV PRACTICE				1						
CARSON	MTL 294B C10	WELDING IV PRACTICE	MTWTH	08:00A-04:00P	4							
CARSON	MTL 294B C10	WELDING IV PRACTICE	T	01:00P-03:45P	1	C						
CARSON	MTL 296B C01	AWS CODE PREPARATION	T	01:00P-03:45P	C	2						
CARSON	MTL 296B C02	AWS CODE PREPARATION	TH	04:00P-06:45P	6	6						
CARSON	MTL 296B C03	AWS CODE PREPARATION				8						
CARSON	MTL 296B C10	AWS CODE PREPARATION	MTWTH	08:00A-04:00P	8							
CARSON	MTL 296B C10	AWS CODE PREPARATION	W	07:00P-09:45P	13	12	11	11		6	19	11
CARSON	MTT 105B C01	MACHINE SHOP I	W	07:00P-10:00P				3		16		4
CARSON	MTT 105B C02	MACHINE SHOP I	W	09:00A-11:45A		5				10		
CARSON	MTT 105B C03	MACHINE SHOP I	MTWTHF	12:15P-02:15P			13	C	22	5	13	2
CARSON	MTT 105B C03	MACHINE SHOP I	MTWTHF	12:15P-02:20P	19	1						
CARSON	MTT 105B C05	MACHINE SHOP I	W	09:00A-11:45A	3		9			11		15
CARSON	MTT 105B C05	MACHINE SHOP I	W	09:00A-12:00P						11		
CARSON	WELD211 C01	WELDING I	T	04:00P-06:45P			19	17	16	11	14	15
CARSON	WELD211 C02	WELDING I	M	01:00P-03:45P			14	14		16		
CARSON	WELD211 C02	WELDING I	T	01:00P-03:45P							15	13
CARSON	WELD211 C02	WELDING I	W	01:00P-03:45P					13			
CARSON	WELD211 C03	WELDING I	M	04:00P-06:45P								
CARSON	WELD211 C03	WELDING I					C					
CARSON	WELD211 C03	WELDING I	S	09:00A-11:45A							9	11
CARSON	WELD211 C10	WELDING I	MTWTH	08:00A-04:00P			C					
CARSON	WELD212B C01	WELDING I PRACTICE	M	09:00A-11:45A			19	18	9	19	14	13
CARSON	WELD212B C02	WELDING I PRACTICE	M	02:30P-05:15P			C					
CARSON	WELD212B C02	WELDING I PRACTICE	S	12:00P-02:45P						8		14
CARSON	WELD212B C10	WELDING I PRACTICE	MTWTH	08:00A-04:00P			C					
CARSON	WELD221 C01	WELDING II	M	04:00P-06:45P							12	
CARSON	WELD221 C01	WELDING II	T	04:00P-06:45P				20			14	
CARSON	WELD221 C01	WELDING II	W	04:00P-06:45P								C
CARSON	WELD221 C01	WELDING II	W	06:00P-08:45P						C		

AAS Welding Technology 2010-2011 Program Review  
 ENROLLMENT/SCHEDULING HISTORY  
 \*\*\*Program Requirements and Program Electives\*\*\*

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CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
CARSON	WELD221 C02	WELDING II	M	04:00P-06:45P				C		13		14
CARSON	WELD221 C02	WELDING II	T	09:30A-12:15P			C					
CARSON	WELD221 C02	WELDING II	MTWTH	08:00A-04:00P			C					
CARSON	WELD222B C01	WELDING II PRACTICE	T	04:00P-06:45P				14		7		10
CARSON	WELD222B C01	WELDING II PRACTICE	TH	04:00P-06:45P					6			
CARSON	WELD222B C01	WELDING II PRACTICE	W	04:00P-06:45P			C					
CARSON	WELD222B C02	WELDING II PRACTICE	T	08:00A-10:45A			C					
CARSON	WELD222B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P			C					
CARSON	WELD224B C01	WELDING PROJECTS	T	01:00P-03:45P			10	14	4	7		
CARSON	WELD224B C01	WELDING PROJECTS	TH	04:00P-06:45P								9
CARSON	WELD224B C01	WELDING PROJECTS	MTWTH	08:00A-04:00P			C					7
CARSON	WELD231B C01	WELDING III	TH	04:00P-06:45P			3	3				5
CARSON	WELD231B C01	WELDING III	TH	05:00P-07:45P								11
CARSON	WELD231B C01	WELDING III	W	04:00P-06:45P								4
CARSON	WELD231B C02	WELDING III	TH	07:00P-09:45P			6	C				
CARSON	WELD231B C02	WELDING III	W	06:00P-08:45P							C	
CARSON	WELD231B C03	WELDING III	M	04:00P-06:45P							2	
CARSON	WELD231B C10	WELDING III	MTWTH	08:00A-04:00P			C					
CARSON	WELD232B C01	WELDING III PRACTICE	TH	04:00P-06:45P			7	6	6	6		
CARSON	WELD232B C01	WELDING III PRACTICE	TH	07:00P-09:45P								2
CARSON	WELD232B C10	WELDING III PRACTICE	MTWTH	08:00A-04:00P			C					10
CARSON	WELD241B C01	WELDING IV	TH	04:00P-06:45P			6	5	2	C		
CARSON	WELD241B C01	WELDING IV	TH	07:00P-09:45P								8
CARSON	WELD241B C01	WELDING IV	TH	07:00P-09:45P			C	1	C	2		5
CARSON	WELD241B C02	WELDING IV	TH	07:00P-09:45P								
CARSON	WELD241B C10	WELDING IV	MTWTH	08:00A-04:00P			C					
CARSON	WELD242B C01	WELDING IV PRACTICE	TH	04:00P-06:45P								3
CARSON	WELD242B C01	WELDING IV PRACTICE	TH	07:00P-09:45P			5	6	2	C		3
CARSON	WELD242B C10	WELDING IV PRACTICE	MTWTH	08:00A-04:00P			C					
CARSON	WELD250B C01	WELD CERTIFICATION PREP	T	01:00P-03:45P			C	6		7		
CARSON	WELD250B C01	WELD CERTIFICATION PREP	TH	04:00P-06:45P					14			10
CARSON	WELD250B C02	WELD CERTIFICATION PREP	T	01:00P-03:45P			C	C		4		
CARSON	WELD250B C02	WELD CERTIFICATION PREP	T	04:00P-09:45P								5
CARSON	WELD250B C02	WELD CERTIFICATION PREP	TH	04:00P-09:45P								4
CARSON	WELD250B C03	WELD CERTIFICATION PREP	TH	04:00P-06:45P			9	3		5		4

AAS Welding Technology 2010-2011 Program Review  
 ENROLLMENT/SCHEDULING HISTORY  
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CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
CARSON	WELD250B C10	WELD CERTIFICATION PREP	MTWTH	08:00A-04:00P								
CARSON	WELD290B C01	INTERNSHIP IN WELDING					C					
DOUGLAS	MTL 212 D01	WELDING I	S	09:00A-11:45A	4	4						
DOUGLAS	MTL 212 D02	WELDING I	MW	05:30P-06:45P			C					
DOUGLAS	MTL 213 D01	WELDING II	S	09:00A-11:45A		1						
DOUGLAS	MTL 213 D02	WELDING II	MW	05:30P-06:45P			C					
DOUGLAS	MTL 292B D01	WELDING II PRACTICE	S	11:45A-01:30P		1						
DOUGLAS	WELD211 D01	WELDING I	S	09:00A-11:45A			C	12	9	10		
DOUGLAS	WELD211 D02	WELDING I	M	04:00P-06:45P				C				
DOUGLAS	WELD211 D02	WELDING I	M	06:00P-08:45P						12		
DOUGLAS	WELD211 D02	WELDING I	MW	05:30P-06:45P			C					
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	11:45A-01:30P				C				
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-01:45P				7				C
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-02:30P								
DOUGLAS	WELD212B D02	WELDING I PRACTICE	S	12:30P-03:30P								6
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	04:00P-06:45P				C				
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	06:00P-08:45P								9
DOUGLAS	WELD221 D01	WELDING II	S	09:00A-11:45A				C				5
DOUGLAS	WELD221 D01	WELDING II	W	04:00P-06:45P								C
DOUGLAS	WELD221 D01	WELDING II	W	06:00P-08:45P								
DOUGLAS	WELD221 D02	WELDING II	M	04:00P-06:45P				C				
DOUGLAS	WELD221 D02	WELDING II	M	06:00P-08:45P								7
DOUGLAS	WELD221 D02	WELDING II	MW	05:30P-06:45P				C				
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-01:45P				C				
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-02:30P								2
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	04:00P-06:45P				C				
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	06:00P-08:45P								3
FALLON	MTL 212 F01	WELDING I	M	07:00P-09:45P	12	13						
FALLON	MTL 212 F02	WELDING I	MTWTH	09:30A-12:15P	C							
FALLON	MTL 212 F02	WELDING I	T	09:30A-12:15P		8						
FALLON	MTL 213 F01	WELDING II	T	07:00P-09:45P	3	4						
FALLON	MTL 213 F02	WELDING II	MTWTH	09:30A-12:15P	C							
FALLON	MTL 213 F02	WELDING II	TH	09:30A-12:15P		1						
FALLON	MTL 217B F01	WELDING III	TH	07:00P-09:45P	3	4						
FALLON	MTL 217B F02	WELDING III	MTWTH	09:30A-12:15P	C							

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 Enrollment-Scheduling History 2010-2011

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
FALLON	MTL 217B F02	WELDING III	TH	09:30A-12:15P								
FALLON	MTL 218B F01	WELDING IV	T	07:00P-09:45P	1	C						
FALLON	MTL 224B F01	WELDING PROJECTS			2							
FALLON	MTL 224B F01	WELDING PROJECTS	T	07:00P-09:45P		2						
FALLON	MTL 224B F02	WELDING PROJECTS	TH	07:00P-09:45P			C					
FALLON	MTL 292B F01	WELDING II PRACTICE	MTWTH	09:30A-12:15P	C							
FALLON	MTL 292B F01	WELDING II PRACTICE	TH	07:00P-09:45P		4						
FALLON	MTL 292B F02	WELDING II PRACTICE	T	09:30A-12:15P			2					
FALLON	MTL 292B F02	WELDING II PRACTICE	TH	07:00P-09:45P	3							
FALLON	MTL 293B F01	WELDING III PRACTICE	T	07:00P-09:45P	2							
FALLON	MTL 293B F02	WELDING III PRACTICE	MTWTH	09:30A-12:15P	C							
FALLON	MTL 293B F02	WELDING III PRACTICE	T	09:30A-12:15P			C					
FALLON	MTL 294B F01	WELDING IV PRACTICE	TH	07:00P-09:45P	1							
FALLON	MTL 294B F02	WELDING IV PRACTICE	TH	07:00P-09:45P		1						
FALLON	MTL 296B F01	AWS CODE PREPARATION	T	07:00P-09:45P	2		5					
FALLON	MTL 296B F02	AWS CODE PREPARATION	TH	07:00P-09:45P	2		2					
FALLON	MTT 105B F01	MACHINE SHOP I	TTH	05:30P-06:45P	6		C					
FALLON	MTT 105B F01	MACHINE SHOP I	W	06:00P-08:45P								
FALLON	WELD211 F01	WELDING I	M	06:00P-08:45P		9		6				
FALLON	WELD211 F02	WELDING I	T	09:30A-12:15P		2		1		C		
FALLON	WELD212B F01	WELDING I PRACTICE	T	06:00P-08:45P		6				7		
FALLON	WELD212B F01	WELDING I PRACTICE	TH	06:00P-08:45P				6				
FALLON	WELD212B F01	WELDING I PRACTICE	TH	06:00P-08:45P							3	
FALLON	WELD212B F01	WELDING I PRACTICE	W	06:00P-08:45P							11	
FALLON	WELD212B F01	WELDING I PRACTICE	W	06:00P-08:45P							4	
FALLON	WELD212B F02	WELDING I PRACTICE	T	09:30A-12:15P		1						
FALLON	WELD212B F02	WELDING I PRACTICE	TH	09:30A-12:15P				1		C		
FALLON	WELD212B F03	WELDING I PRACTICE	T	06:00P-08:45P							6	
FALLON	WELD212B F03	WELDING I PRACTICE	TH	06:00P-08:45P		4		C		4		
FALLON	WELD221 F01	WELDING II	T	06:00P-08:45P		5		5				
FALLON	WELD221 F01	WELDING II	TH	09:30A-12:15P					C			
FALLON	WELD221 F01	WELDING II	TH	06:00P-08:45P								4
FALLON	WELD221 F01	WELDING II	TH	06:00P-08:45P								
FALLON	WELD221 F01	WELDING II	W	06:00P-08:45P							3	
FALLON	WELD221 F02	WELDING II	T	06:00P-08:45P		2				2		
FALLON	WELD221 F02	WELDING II	TH	09:30A-12:15P								
FALLON	WELD222B F01	WELDING II PRACTICE	T	09:30A-12:15P		2			C			
FALLON	WELD222B F01	WELDING II PRACTICE	TH	06:00P-08:45P							4	

AAS Welding Technology 2010-2011 Program Review  
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CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
FALLON	WELD222B F01	WELDING II PRACTICE	W	06:00P-08:45P						5		3
FALLON	WELD222B F02	WELDING II PRACTICE	TH	06:00P-08:45P			5	5	1			
FALLON	WELD224B F01	WELDING PROJECTS	T	06:00P-08:45P			1	5	C			
FALLON	WELD224B F01	WELDING PROJECTS	W	06:00P-08:45P							2	
FALLON	WELD224B F02	WELDING PROJECTS	TH	06:00P-08:45P								
FALLON	WELD224B F03	WELDING PROJECTS	M	06:00P-08:45P				1				
FALLON	WELD231B F01	WELDING III	TH	09:30A-12:15P			6	6	C			
FALLON	WELD231B F01	WELDING III	TH	06:00P-08:45P						1		
FALLON	WELD231B F01	WELDING III	W	06:00P-08:45P								3
FALLON	WELD231B F02	WELDING III	TH	09:30A-12:15P			C					
FALLON	WELD231B F02	WELDING III	TH	06:00P-08:45P								
FALLON	WELD232B F01	WELDING III PRACTICE	T	09:30A-12:15P								
FALLON	WELD232B F01	WELDING III PRACTICE	T	06:00P-08:45P			6	5	C			
FALLON	WELD232B F01	WELDING III PRACTICE	TH	06:00P-08:45P								3
FALLON	WELD232B F01	WELDING III PRACTICE	W	06:00P-08:45P								
FALLON	WELD232B F02	WELDING III PRACTICE	T	09:30A-12:15P			C					4
FALLON	WELD232B F02	WELDING III PRACTICE	T	06:00P-08:45P								
FALLON	WELD241B F01	WELDING IV	T	06:00P-08:45P			2	C	2			
FALLON	WELD241B F01	WELDING IV	W	06:00P-08:45P						2		3
FALLON	WELD242B F01	WELDING IV PRACTICE	TH	06:00P-08:45P			2	0	C			2
FALLON	WELD250B F01	WELD CERTIFICATION PREP	T	06:00P-08:45P			4	5	0			
FALLON	WELD250B F01	WELD CERTIFICATION PREP	W	06:00P-08:45P						4		0
FALLON	WELD250B F02	WELD CERTIFICATION PREP					C					
FALLON	WELD250B F02	WELD CERTIFICATION PREP	T	06:00P-08:45P						5		
FALLON	WELD250B F02	WELD CERTIFICATION PREP	TH	06:00P-08:45P				5	3			0
FALLON	WELD250B F03	WELD CERTIFICATION PREP	TH	09:30A-12:15P					C			
FERNLEY	MTT 105B E01	MACHINE SHOP I	TH	06:00A-04:00P					4			
FERNLEY	WELD221 E01	WELDING II	THF	08:00A-05:00P					6			
FERNLEY	WELD250B E01	WELD CERTIFICATION PREP	THF	08:00A-05:00P					6			
FERNLEY	WELD250B E02	WELD CERTIFICATION PREP	TTH	06:00A-04:00P					4			
PRISON	MTL 212 N01	WELDING I	F	09:00A-12:00P			3	C				
PRISON	MTL 213 N01	WELDING II	F	09:00A-12:00P			2	C				
PRISON	MTL 217B N01	WELDING III	F	09:00A-12:00P			1	C				
PRISON	MTL 218B N01	WELDING IV	F	09:00A-12:00P			1	C				
PRISON	MTL 224B N01	WELDING PROJECTS	F	09:00A-12:00P			1	C				

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PRISON	MTL 292B N01	WELDING II PRACTICE	F	12:00P-03:00P	2	C						
PRISON	MTL 293B N01	WELDING III PRACTICE	F	12:00P-03:00P	1	C						
PRISON	MTL 294B N01	WELDING IV PRACTICE	F	12:00P-03:00P	1							
PRISON	MTL 294B N01	WELDING IV PRACTICE	TH	12:00P-03:00P		C						
PRISON	MTL 296B N01	AWS CODE PREPARATION			1	C						
PRISON	WELD211 N01	WELDING I	F	09:00A-12:00P			2					
PRISON	WELD211 N01	WELDING I	W	09:00A-12:00P				1				
PRISON	WELD212B N01	WELDING I PRACTICE	F	12:00P-03:00P			1					
PRISON	WELD212B N01	WELDING I PRACTICE	W	12:00P-03:00P				1				
PRISON	WELD221 N01	WELDING II	F	09:00A-12:00P			1					
PRISON	WELD221 N01	WELDING II	W	09:00A-12:00P				1				
PRISON	WELD222B N01	WELDING II PRACTICE	F	12:00P-03:00P			1					
PRISON	WELD222B N01	WELDING II PRACTICE	W	12:00P-03:00P				C				
PRISON	WELD224B N01	WELDING PROJECTS	F	09:00A-12:00P			1					
PRISON	WELD224B N01	WELDING PROJECTS	W	09:00A-12:00P				C				
PRISON	WELD231B N01	WELDING III	F	09:00A-12:00P			1					
PRISON	WELD231B N01	WELDING III	W	09:00A-12:00P				1				
PRISON	WELD232B N01	WELDING III PRACTICE	F	12:00P-03:00P			1					
PRISON	WELD232B N01	WELDING III PRACTICE	W	12:00P-03:00P				1				
PRISON	WELD241B N01	WELDING IV	F	09:00A-12:00P			C					
PRISON	WELD241B N01	WELDING IV	W	09:00A-12:00P				1				
PRISON	WELD242B N01	WELDING IV PRACTICE	F	12:00P-03:00P			C					
PRISON	WELD242B N01	WELDING IV PRACTICE	W	12:00P-03:00P				1				
PRISON	WELD250B N01	WELD CERTIFICATION PREP	W	12:00P-03:00P			2	4				
PRISON	WELD290B N01	INTERNSHIP IN WELDING								0		
WEB	ET 131B W01	ELECTRONICS I			C		10	9		18		26
WEB	ET 131B W02	ELECTRONICS I						4		3		1
WEB	ET 131B W03	ELECTRONICS I			C							
YERINGTON	WELD211 Y01	WELDING I	M	06:00P-08:45P								C

Fall 2011

Subj	Cat Num	Sect	Description	Location	Days	Time	Enrolled	Max	Units
MTT	262	1001	Mach Shop Practice IV	CARSON	M	7-9:45 PM	1	18	2
MTT	262	1002	Mach Shop Practice-IV	CARSON			0	15	2
MTT	291	1001	Cnc Practice	CARSON	M	7-9:45 PM	3	15	2
MTT	291	1002	Cnc Practice	CARSON			0	15	2
MTT	292	1001	Comp-Aid Manufacturing I	CARSON			0	14	4
MTT	293	1001	Comp-Aid Manufacturing II	CARSON			0	14	4
MTT	295	1001	Work Experience	CARSON			2	20	6-Jan
WELD	211	1001	Welding I	CARSON	Tu	4-6:45 PM	15	15	3
WELD	211	1002	Welding I	CARSON	Tu	1-3:45 PM	17	20	3
WELD	212	1001	Welding I Practice	CARSON	W	9-11:45 AM	12	15	2
WELD	212	1002	Welding I Practice	CARSON	W	1-3:45 PM	9	15	2
WELD	221	1001	Welding II	CARSON	M	4-6:45 PM	18	15	3
WELD	222	1001	Welding II Practice	CARSON	W	4-6:45 PM	18	15	2
WELD	224	1001	Welding Projects	CARSON	Th	7-9:45 PM	10	15	6-Jan
WELD	231	1001	Welding III	CARSON	Th	4-6:45 PM	9	15	3
WELD	232	1001	Welding III Practice	CARSON	Th	7-9:45 PM	4	15	2
WELD	241	1001	Welding IV	CARSON	Th	7-9:45 PM	4	15	3
WELD	242	1001	Welding IV Practice	CARSON	Th	4-6:45 PM	4	15	2
WELD	250	1001	Weld Certification Prep	CARSON	Th	4-6:45 PM	5	15	3
WELD	250	1002	Weld Certification Prep	CARSON	Th	4-9:45 PM	5	15	6
WELD	250	1003	Weld Certification Prep	CARSON	W	1-3:45 PM	1	15	3
WELD	250	1004	Weld Certification Prep	CARSON	W	4-6:45 PM	1	15	3

Spring 2012

Subj	Cat Num	Sect	Description	Location	Days	Time	Enrolled	Max	Units
MITT	262	1001	Mach Shop Practice IV	CARSON	M	7-9:45 PM	1	18	2
MITT	262	1002	Mach Shop Practice IV	CARSON			0	15	2
MITT	291	1001	Cnc Practice	CARSON	M	7-9:45 PM	3	15	2
MITT	291	1002	Cnc Practice	CARSON			0	15	2
MITT	292	1001	Comp-Aid Manufacturing I	CARSON			0	14	4
MITT	293	1001	Comp-Aid Manufacturing II	CARSON			0	14	4
MITT	295	1001	Work Experience	CARSON			2	20	6-Jan
WELD	211	1001	Welding I	CARSON	Tu	4-6:45 PM	15	15	3
WELD	211	1002	Welding I	CARSON	Tu	1-3:45 PM	17	20	3
WELD	212	1001	Welding I Practice	CARSON	W	9-11:45 AM	12	15	2
WELD	212	1002	Welding I Practice	CARSON	W	1-3:45 PM	9	15	2
WELD	221	1001	Welding II	CARSON	M	4-6:45 PM	18	15	3
WELD	222	1001	Welding II Practice	CARSON	W	4-6:45 PM	18	15	2
WELD	224	1001	Welding Projects	CARSON	Th	7-9:45 PM	10	15	6-Jan
WELD	231	1001	Welding III	CARSON	Th	4-6:45 PM	9	15	3
WELD	232	1001	Welding III Practice	CARSON	Th	7-9:45 PM	4	15	2
WELD	241	1001	Welding IV	CARSON	Th	7-9:45 PM	4	15	3
WELD	242	1001	Welding IV Practice	CARSON	Th	4-6:45 PM	4	15	2
WELD	250	1001	Weld Certification Prep	CARSON	Th	4-6:45 PM	5	15	3
WELD	250	1002	Weld Certification Prep	CARSON	Th	4-9:45 PM	5	15	6
WELD	250	1003	Weld Certification Prep	CARSON	W	1-3:45 PM	1	15	3
WELD	250	1004	Weld Certification Prep	CARSON	W	4-6:45 PM	1	15	3

Subj	Cat Num	Sect	Description	Location	Days	Time	Enrolled	Max	Units
SUR	161	1001	Elementary Surveying	CARSON	Th	7-8:50 PM	5	20	4
WELD	211	1001	Welding-I	CARSON	S	10 AM-1 PM	0	15	3
WELD	211	1002	Welding I	CARSON	Tu	1-3:45 PM	15	15	3
WELD	211	1003	Welding-I	YERINGTON			0	15	3
WELD	211	1004	Welding I	FALLON	Tu	6-8:45 PM	8	12	3
WELD	211	1005	Welding I	CARSON	Tu	4-6:45 PM	16	15	3
WELD	212	1001	Welding I Practice	CARSON	W	9-11:45 AM	15	15	2
WELD	212	1002	Welding I Practice	CARSON	W	1-3:45 PM	14	15	2
WELD	212	1003	Welding-I Practice	YERINGTON			0	15	2
WELD	212	1004	Welding I Practice	FALLON	M	6-8:45 PM	8	12	2
WELD	221	1001	Welding II	CARSON	M	4-6:45 PM	15	15	3
WELD	222	1001	Welding II Practice	CARSON	W	4-6:45 PM	10	15	2
WELD	224	1001	Welding Projects	CARSON			1	1	6
WELD	231	1001	Welding III	CARSON	Th	4-6:45 PM	8	15	3
WELD	232	1001	Welding III Practice	CARSON	Th	7-9:45 PM	7	15	2
WELD	241	1001	Welding IV	CARSON	Th	7-9:45 PM	8	15	3
WELD	242	1001	Welding IV Practice	CARSON	Th	4-6:45 PM	7	15	2
WELD	250	1001	Weld Certification Prep	CARSON	Th	4-6:45 PM	3	15	3
WELD	250	1002	Weld Certification Prep	CARSON	Th	7-9:45 PM	2	15	3
WELD	250	1003	Weld Certification Prep	CARSON	Th	4-9:45 PM	3	15	6
WELD	250	1004	Weld Certification Prep	CARSON	W	4-6:45 PM	5	15	3

Course Scheduling/Enrollment History - CA

CP-WLD Program Review 2009-2010  
Enrollment/Scheduling History

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
CARSON	MTL 212 C01	WELDING I	T	04:00P-06:45P	23	10	13	11					
CARSON	MTL 212 C02	WELDING I	M	09:00A-11:45A		9		7					
CARSON	MTL 212 C02	WELDING I	M	11:00A-02:00P	9								
CARSON	MTL 212 C02	WELDING I	M	01:00P-03:45P		7							
CARSON	MTL 212 C03	WELDING I	M	04:00P-06:45P		9	5	8					
CARSON	MTL 212 C10	WELDING I			4			8					
CARSON	MTL 212 C10	WELDING I	MTWTH	08:00A-04:00P		7	6						
CARSON	MTL 213 C01	WELDING II	W	07:00P-09:45P	7	16	12	C					
CARSON	MTL 213 C02	WELDING II	T	10:00A-12:45P		7	9	12					
CARSON	MTL 213 C02	WELDING II	T	11:00A-02:00P	8								
CARSON	MTL 213 C10	WELDING II			4			8					
CARSON	MTL 213 C10	WELDING II	MTWTH	08:00A-04:00P		3	6						
CARSON	MTL 292B C01	WELDING II PRACTICE			2	10							
CARSON	MTL 292B C01	WELDING II PRACTICE	W	04:00P-06:45P			C	5					
CARSON	MTL 292B C02	WELDING II PRACTICE			4	3							
CARSON	MTL 292B C02	WELDING II PRACTICE	T	08:30A-11:15A			7	4					
CARSON	MTL 292B C10	WELDING II PRACTICE			5			8					
CARSON	MTL 292B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P		3	6						
CARSON	MTL 296B C01	AWS CODE PREPARATION			4	9							
CARSON	MTL 296B C01	AWS CODE PREPARATION	T	01:00P-03:45P			1	C					
CARSON	MTL 296B C02	AWS CODE PREPARATION			1	2							
CARSON	MTL 296B C02	AWS CODE PREPARATION	T	01:00P-03:45P			C	2					
CARSON	MTL 296B C03	AWS CODE PREPARATION			C								
CARSON	MTL 296B C03	AWS CODE PREPARATION	TH	04:00P-06:45P			6	6					
CARSON	MTL 296B C04	AWS CODE PREPARATION				C							
CARSON	MTL 296B C10	AWS CODE PREPARATION			5			8					
CARSON	MTL 296B C10	AWS CODE PREPARATION	MTWTH	08:00A-04:00P		6							
CARSON	WELD211 C01	WELDING I	T	04:00P-06:45P					19	17	16	11	16
CARSON	WELD211 C02	WELDING I	M	01:00P-03:45P					14	14		16	
CARSON	WELD211 C02	WELDING I	T	01:00P-03:45P									15
CARSON	WELD211 C02	WELDING I	W	01:00P-03:45P									
CARSON	WELD211 C03	WELDING I	M	04:00P-06:45P				C			13		
CARSON	WELD211 C03	WELDING I	S	09:00A-11:45A									9

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Enrollment/Scheduling History

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
CARSON	WELD211 C10	WELDING I	MTWTH	08:00A-04:00P									
CARSON	WELD212B C01	WELDING I PRACTICE	M	09:00A-11:45A				C					
CARSON	WELD212B C02	WELDING I PRACTICE	M	02:30P-05:15P				C	19	18	9	19	14
CARSON	WELD212B C02	WELDING I PRACTICE	S	12:00P-02:45P				C					8
CARSON	WELD212B C10	WELDING I PRACTICE	MTWTH	08:00A-04:00P				C					
CARSON	WELD221 C01	WELDING II											
CARSON	WELD221 C01	WELDING II	M	04:00P-06:45P						12			15
CARSON	WELD221 C01	WELDING II	T	04:00P-06:45P					20				
CARSON	WELD221 C01	WELDING II	W	06:00P-08:45P								C	
CARSON	WELD221 C02	WELDING II											
CARSON	WELD221 C02	WELDING II	M	04:00P-06:45P					C				
CARSON	WELD221 C02	WELDING II	T	09:30A-12:15P				C				13	
CARSON	WELD221 C10	WELDING II	MTWTH	08:00A-04:00P				C					
CARSON	WELD222B C01	WELDING II PRACTICE	T	04:00P-06:45P						14		7	11
CARSON	WELD222B C01	WELDING II PRACTICE	TH	04:00P-06:45P							6		
CARSON	WELD222B C01	WELDING II PRACTICE	W	04:00P-06:45P									
CARSON	WELD222B C02	WELDING II PRACTICE	T	08:00A-10:45A				C					
CARSON	WELD222B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P				C					
CARSON	WELD250B C01	WELD CERTIFICATION PREP	T	01:00P-03:45P				C				7	
CARSON	WELD250B C01	WELD CERTIFICATION PREP	TH	04:00P-06:45P				C	6				
CARSON	WELD250B C02	WELD CERTIFICATION PREP	T	01:00P-03:45P				C				4	
CARSON	WELD250B C02	WELD CERTIFICATION PREP	TH	04:00P-06:45P				C	C		14		10
CARSON	WELD250B C03	WELD CERTIFICATION PREP	TH	04:00P-09:45P								4	4
CARSON	WELD250B C10	WELD CERTIFICATION PREP	MTWTH	08:00A-04:00P				C	9	3		5	
DOUGLAS	MTL 212 D01	WELDING I	S	09:00A-11:45A	C	8	4	4					
DOUGLAS	MTL 212 D02	WELDING I	MW	05:30P-06:45P				C					
DOUGLAS	MTL 213 D01	WELDING II	S	09:00A-11:45A				C	1				
DOUGLAS	MTL 213 D02	WELDING II	MW	05:30P-06:45P				C					
DOUGLAS	MTL 292B D01	WELDING II PRACTICE	S	11:45A-01:30P				1					
DOUGLAS	WELD211 D01	WELDING I	S	09:00A-11:45A				C		12	9	10	C
DOUGLAS	WELD211 D02	WELDING I	M	04:00P-06:45P						C			
DOUGLAS	WELD211 D02	WELDING I	M	06:00P-08:45P								12	C
DOUGLAS	WELD211 D02	WELDING I	MW	05:30P-06:45P				C					

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Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	11:45A-01:30P									
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-01:45P									
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-02:30P									
DOUGLAS	WELD212B D02	WELDING I PRACTICE	S	12:30P-03:30P									
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	04:00P-06:45P									
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	06:00P-08:45P									
DOUGLAS	WELD221 D01	WELDING II	S	09:00A-11:45A									
DOUGLAS	WELD221 D01	WELDING II	W	04:00P-06:45P									
DOUGLAS	WELD221 D01	WELDING II	W	06:00P-08:45P									
DOUGLAS	WELD221 D02	WELDING II	M	04:00P-06:45P									
DOUGLAS	WELD221 D02	WELDING II	M	06:00P-08:45P									
DOUGLAS	WELD221 D02	WELDING II	MW	05:30P-06:45P									
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-01:45P									
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-02:30P									
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	04:00P-06:45P									
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	06:00P-08:45P									
FALLON	MTL 212 F01	WELDING I	M	07:00P-09:45P	9	12	12	13					
FALLON	MTL 212 F02	WELDING I	MTWTH	09:30A-12:15P									
FALLON	MTL 212 F02	WELDING I	MTWTHF	09:30A-12:15P									
FALLON	MTL 212 F02	WELDING I	T	08:30A-11:15A	2								
FALLON	MTL 212 F02	WELDING I	T	09:30A-12:15P									
FALLON	MTL 213 F01	WELDING II	T	07:00P-09:45P	6	4	3	4					
FALLON	MTL 213 F02	WELDING II	MTWTH	09:30A-12:15P									
FALLON	MTL 213 F02	WELDING II	TH	08:30A-11:15A	1	1							
FALLON	MTL 213 F02	WELDING II	TH	09:30A-12:15P									
FALLON	MTL 292B F01	WELDING II PRACTICE	MTWTH	09:30A-12:15P									
FALLON	MTL 292B F01	WELDING II PRACTICE	T	08:30A-11:15A	3								
FALLON	MTL 292B F01	WELDING II PRACTICE	TH	07:00P-08:45P									
FALLON	MTL 292B F01	WELDING II PRACTICE	TH	07:00P-09:45P									
FALLON	MTL 292B F02	WELDING II PRACTICE	T	09:30A-12:15P									
FALLON	MTL 292B F02	WELDING II PRACTICE	TH	07:00P-09:45P	5								
FALLON	MTL 296B F01	AWS CODE PREPARATION	T	07:00P-09:45P	C	2	2	5					
FALLON	MTL 296B F02	AWS CODE PREPARATION	TH	07:00P-09:45P	C	3	2	2					

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Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
FALLON	WELD211 F01	WELDING I	M	06:00P-08:45P					9	6	11	11	15
FALLON	WELD211 F02	WELDING I	T	09:30A-12:15P					2	1	C		
FALLON	WELD212B F01	WELDING I PRACTICE	T	06:00P-08:45P					6		7		
FALLON	WELD212B F01	WELDING I PRACTICE	TH	06:00P-08:45P						6			
FALLON	WELD212B F01	WELDING I PRACTICE	W	06:00P-08:45P								3	11
FALLON	WELD212B F02	WELDING I PRACTICE	T	09:30A-12:15P					1				
FALLON	WELD212B F02	WELDING I PRACTICE	TH	09:30A-12:15P						1	C		
FALLON	WELD212B F03	WELDING I PRACTICE	T	06:00P-08:45P								6	
FALLON	WELD212B F03	WELDING I PRACTICE	TH	06:00P-08:45P					4	C	4		
FALLON	WELD221 F01	WELDING II	T	06:00P-08:45P					5	5	4		
FALLON	WELD221 F01	WELDING II	TH	09:30A-12:15P							C		
FALLON	WELD221 F01	WELDING II	W	06:00P-08:45P									3
FALLON	WELD221 F02	WELDING II	W	06:00P-08:45P									
FALLON	WELD221 F02	WELDING II	T	06:00P-08:45P									
FALLON	WELD221 F02	WELDING II	T	06:00P-08:45P					2	2			
FALLON	WELD222B F01	WELDING II PRACTICE	TH	09:30A-12:15P					2	1	C		
FALLON	WELD222B F01	WELDING II PRACTICE	TH	06:00P-08:45P									4
FALLON	WELD222B F01	WELDING II PRACTICE	W	06:00P-08:45P									
FALLON	WELD222B F02	WELDING II PRACTICE	TH	06:00P-08:45P					5	5	1		
FALLON	WELD222B F02	WELDING II PRACTICE	TH	06:00P-08:45P					4	5	0		
FALLON	WELD250B F01	WELD CERTIFICATION PREP	T	06:00P-08:45P								4	1
FALLON	WELD250B F01	WELD CERTIFICATION PREP	W	06:00P-08:45P									
FALLON	WELD250B F02	WELD CERTIFICATION PREP	T	06:00P-08:45P							C		
FALLON	WELD250B F02	WELD CERTIFICATION PREP	T	06:00P-08:45P								5	
FALLON	WELD250B F02	WELD CERTIFICATION PREP	TH	06:00P-08:45P									2
FALLON	WELD250B F03	WELD CERTIFICATION PREP	TH	09:30A-12:15P						5	3		
FERNLEY	MTL 212 E01	WELDING I	TH	07:00P-09:45P		C					C		
FERNLEY	WELD221 E01	WELDING II	THF	08:00A-05:00P								6	
FERNLEY	WELD250B E01	WELD CERTIFICATION PREP	THF	08:00A-05:00P								6	
FERNLEY	WELD250B E02	WELD CERTIFICATION PREP	TTH	06:00A-04:00P								4	
PRISON	MTL 212 N01	WELDING I	F	09:00A-12:00P	2	C	3	C					
PRISON	MTL 213 N01	WELDING II	F	09:00A-12:00P	2	C	2	C					
PRISON	MTL 292B N01	WELDING II PRACTICE	F	09:00A-12:00P		C							
PRISON	MTL 292B N01	WELDING II PRACTICE	F	12:00P-03:00P	2		2	C					
PRISON	MTL 296B N01	AWS CODE PREPARATION	F			C	1	C					

CP-WLD Program Review 2009-2010  
Enrollment/Scheduling History

Term codes: 1=Spring, 2=Summer, 3=Fall. (20053=Fall 2005)

CAMPUS	CLASS	TITLE	DAY	TIME	20053	20061	20063	20071	20073	20081	20083	20091	20093
PRISON	MTL 296B N01	AWS CODE PREPARATION	F	09:00A-03:00P	1								
PRISON	MTL 296B N03	AWS CODE PREPARATION				C							
PRISON	WELD211 N01	WELDING I	F	09:00A-12:00P				2					
PRISON	WELD211 N01	WELDING I	W	09:00A-12:00P					1				
PRISON	WELD212B N01	WELDING I PRACTICE	F	12:00P-03:00P				1					
PRISON	WELD212B N01	WELDING I PRACTICE	W	12:00P-03:00P					1				
PRISON	WELD221 N01	WELDING II	F	09:00A-12:00P				1					
PRISON	WELD221 N01	WELDING II	W	09:00A-12:00P					1				
PRISON	WELD222B N01	WELDING II PRACTICE	F	12:00P-03:00P					1				
PRISON	WELD222B N01	WELDING II PRACTICE	W	12:00P-03:00P						C			
PRISON	WELD250B N01	WELD CERTIFICATION PREP							2				

2009-2010 CP-WLD Subject Requirements: WELD211 (formerly MTL 212), WELD212B, WELD221 (MTL 213), WELD222B (MTL 292B), WELD250B (MTL 296B).

Welding Technology Certificate of Achievement  
 2010-2011 Program Review  
 ENROLLMENT/SCHEDULING HISTORY  
 \*\*\*Subject Requirements\*\*\*

C=canceled section

Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)

2009-2010 Subject Requirements: WELD 211 (MTL 212), 212B, 221 (MTL 213), 222B (MTL 292B), 250B (MTL 296B).

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
CARSON	MTL 212 C01	WELDING I	T	04:00P-06:45P	13	11						
CARSON	MTL 212 C02	WELDING I	M	09:00A-11:45A		7						
CARSON	MTL 212 C02	WELDING I	M	01:00P-03:45P	7							
CARSON	MTL 212 C03	WELDING I	M	04:00P-06:45P	5	8						
CARSON	MTL 212 C10	WELDING I				8						
CARSON	MTL 212 C10	WELDING I	MTWTH	08:00A-04:00P	6							
CARSON	MTL 213 C01	WELDING II	W	07:00P-09:45P	12	C						
CARSON	MTL 213 C02	WELDING II	T	10:00A-12:45P	9	12						
CARSON	MTL 213 C10	WELDING II				8						
CARSON	MTL 213 C10	WELDING II	MTWTH	08:00A-04:00P	6							
CARSON	MTL 292B C01	WELDING II PRACTICE	W	04:00P-06:45P	C	5						
CARSON	MTL 292B C02	WELDING II PRACTICE	T	08:30A-11:15A	7	4						
CARSON	MTL 292B C10	WELDING II PRACTICE				8						
CARSON	MTL 292B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P	6							
CARSON	MTL 296B C01	AWS CODE PREPARATION	T	01:00P-03:45P	1	C						
CARSON	MTL 296B C02	AWS CODE PREPARATION	T	01:00P-03:45P	C	2						
CARSON	MTL 296B C03	AWS CODE PREPARATION	TH	04:00P-06:45P	6	6						
CARSON	MTL 296B C10	AWS CODE PREPARATION				8						
CARSON	MTL 296B C10	AWS CODE PREPARATION	MTWTH	08:00A-04:00P	8							
CARSON	WELD211 C01	WELDING I	T	04:00P-06:45P			19	17	16	11	14	15
CARSON	WELD211 C02	WELDING I	M	01:00P-03:45P			14	14	16	16		
CARSON	WELD211 C02	WELDING I	T	01:00P-03:45P							15	13
CARSON	WELD211 C02	WELDING I	W	01:00P-03:45P								
CARSON	WELD211 C03	WELDING I	M	04:00P-06:45P			C					

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Welding Technology Certificate of Achievement  
 2010-2011 Program Review  
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 \*\*\*Subject Requirements\*\*\*

C=canceled section  
 Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
CARSON	WELD211 C03	WELDING I	S	09:00A-11:45A							9	11
CARSON	WELD211 C10	WELDING I	MTWTH	08:00A-04:00P		C						
CARSON	WELD212B C01	WELDING I PRACTICE	M	09:00A-11:45A			19	18	9	19	14	13
CARSON	WELD212B C02	WELDING I PRACTICE	M	02:30P-05:15P		C						
CARSON	WELD212B C02	WELDING I PRACTICE	S	12:00P-02:45P							8	14
CARSON	WELD212B C10	WELDING I PRACTICE	MTWTH	08:00A-04:00P		C						
CARSON	WELD221 C01	WELDING II				C						
CARSON	WELD221 C01	WELDING II	M	04:00P-06:45P					12		14	
CARSON	WELD221 C01	WELDING II	T	04:00P-06:45P				20				
CARSON	WELD221 C01	WELDING II	W	04:00P-06:45P								C
CARSON	WELD221 C01	WELDING II	W	06:00P-08:45P							C	
CARSON	WELD221 C02	WELDING II						C				
CARSON	WELD221 C02	WELDING II	M	04:00P-06:45P						13		14
CARSON	WELD221 C02	WELDING II	T	09:30A-12:15P		C						
CARSON	WELD221 C10	WELDING II	MTWTH	08:00A-04:00P		C						
CARSON	WELD222B C01	WELDING II PRACTICE	T	04:00P-06:45P				14		7	11	10
CARSON	WELD222B C01	WELDING II PRACTICE	TH	04:00P-06:45P					6			
CARSON	WELD222B C01	WELDING II PRACTICE	W	04:00P-06:45P								
CARSON	WELD222B C02	WELDING II PRACTICE	T	08:00A-10:45A		C						
CARSON	WELD222B C10	WELDING II PRACTICE	MTWTH	08:00A-04:00P		C						
CARSON	WELD250B C01	WELD CERTIFICATION PREP	T	01:00P-03:45P		C		6		7		
CARSON	WELD250B C01	WELD CERTIFICATION PREP	TH	04:00P-06:45P					14		10	
CARSON	WELD250B C02	WELD CERTIFICATION PREP	T	01:00P-03:45P		C		C		4		
CARSON	WELD250B C02	WELD CERTIFICATION PREP	T	04:00P-09:45P								5
CARSON	WELD250B C02	WELD CERTIFICATION PREP	TH	04:00P-09:45P							4	
CARSON	WELD250B C03	WELD CERTIFICATION PREP	TH	04:00P-06:45P			9	3		5		4
CARSON	WELD250B C10	WELD CERTIFICATION PREP	MTWTH	08:00A-04:00P		C						
DOUGLAS	MTL 212 D01	WELDING I	S	09:00A-11:45A	4							

Welding Technology Certificate of Achievement  
 2010-2011 Program Review  
 ENROLLMENT/SCHEDULING HISTORY  
 \*\*\*Subject Requirements\*\*\*

C=canceled section

Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
DOUGLAS	MTL 212 D02	WELDING I	MW	05:30P-06:45P		C						
DOUGLAS	MTL 213 D01	WELDING II	S	09:00A-11:45A		1						
DOUGLAS	MTL 213 D02	WELDING II	MW	05:30P-06:45P		C						
DOUGLAS	MTL 292B D01	WELDING II PRACTICE	S	11:45A-01:30P		1						
DOUGLAS	WELD211 D01	WELDING I	S	09:00A-11:45A			C	12	9	10	C	
DOUGLAS	WELD211 D02	WELDING I	M	04:00P-06:45P				C	C			
DOUGLAS	WELD211 D02	WELDING I	M	06:00P-08:45P						12	C	
DOUGLAS	WELD211 D02	WELDING I	MW	05:30P-06:45P				C				
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	11:45A-01:30P				C				
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-01:45P				7	C	C		
DOUGLAS	WELD212B D01	WELDING I PRACTICE	S	12:00P-02:30P						6		
DOUGLAS	WELD212B D02	WELDING I PRACTICE	S	12:30P-03:30P					C			
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	04:00P-06:45P				C				
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	06:00P-08:45P						9		
DOUGLAS	WELD212B D02	WELDING I PRACTICE	W	09:00A-11:45A				C		5		
DOUGLAS	WELD221 D01	WELDING II	S	09:00A-11:45A								
DOUGLAS	WELD221 D01	WELDING II	W	04:00P-06:45P					C			
DOUGLAS	WELD221 D01	WELDING II	W	06:00P-08:45P						C		
DOUGLAS	WELD221 D01	WELDING II	W	06:00P-08:45P								
DOUGLAS	WELD221 D02	WELDING II	M	04:00P-06:45P				C				
DOUGLAS	WELD221 D02	WELDING II	M	06:00P-08:45P						7		
DOUGLAS	WELD221 D02	WELDING II	MW	05:30P-06:45P				C				
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-01:45P				C				
DOUGLAS	WELD222B D01	WELDING II PRACTICE	S	12:00P-02:30P					C			
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	04:00P-06:45P					C		2	
DOUGLAS	WELD222B D02	WELDING II PRACTICE	W	06:00P-08:45P							3	
FALLON	MTL 212 F01	WELDING I	M	07:00P-09:45P		12						
FALLON	MTL 212 F02	WELDING I	MTWTH	09:30A-12:15P		C						
FALLON	MTL 212 F02	WELDING I	T	09:30A-12:15P						8		
FALLON	MTL 213 F01	WELDING II	T	07:00P-09:45P		3				4		

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 Enrollment-Scheduling History 2010-2011  
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Welding Technology Certificate of Achievement  
 2010-2011 Program Review  
 ENROLLMENT/SCHEDULING HISTORY  
 \*\*\*Subject Requirements\*\*\*

C=canceled section

Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
FALLON	MTL 213 F02	WELDING II	MTWTH	09:30A-12:15P	C							
FALLON	MTL 213 F02	WELDING II	TH	09:30A-12:15P		1						
FALLON	MTL 292B F01	WELDING II PRACTICE	MTWTH	09:30A-12:15P	C							
FALLON	MTL 292B F01	WELDING II PRACTICE	TH	07:00P-09:45P		4						
FALLON	MTL 292B F02	WELDING II PRACTICE	T	09:30A-12:15P		2						
FALLON	MTL 292B F02	WELDING II PRACTICE	TH	07:00P-09:45P		3						
FALLON	MTL 296B F01	AWS CODE PREPARATION	T	07:00P-09:45P		2	5					
FALLON	MTL 296B F02	AWS CODE PREPARATION	TH	07:00P-09:45P		2	2					
FALLON	WELD211 F01	WELDING I	M	06:00P-08:45P		9		6		11	11	15
FALLON	WELD211 F02	WELDING I	T	09:30A-12:15P		2		1		C		
FALLON	WELD212B F01	WELDING I PRACTICE	T	06:00P-08:45P		6				7		
FALLON	WELD212B F01	WELDING I PRACTICE	TH	06:00P-08:45P				6				
FALLON	WELD212B F01	WELDING I PRACTICE	W	06:00P-08:45P							3	11
FALLON	WELD212B F02	WELDING I PRACTICE	T	09:30A-12:15P		1						4
FALLON	WELD212B F02	WELDING I PRACTICE	TH	09:30A-12:15P				1		C		
FALLON	WELD212B F03	WELDING I PRACTICE	T	06:00P-08:45P							6	
FALLON	WELD212B F03	WELDING I PRACTICE	TH	06:00P-08:45P		4		C		4		6
FALLON	WELD221 F01	WELDING II	T	06:00P-08:45P			5	5			4	
FALLON	WELD221 F01	WELDING II	TH	09:30A-12:15P						C		
FALLON	WELD221 F01	WELDING II	TH	06:00P-08:45P							4	
FALLON	WELD221 F01	WELDING II	W	06:00P-08:45P							3	
FALLON	WELD221 F02	WELDING II	T	06:00P-08:45P					2			
FALLON	WELD221 F02	WELDING II	TH	09:30A-12:15P		2		2				
FALLON	WELD222B F01	WELDING II PRACTICE	T	09:30A-12:15P		2		1		C		
FALLON	WELD222B F01	WELDING II PRACTICE	TH	06:00P-08:45P							4	
FALLON	WELD222B F01	WELDING II PRACTICE	W	06:00P-08:45P							5	3
FALLON	WELD222B F02	WELDING II PRACTICE	TH	06:00P-08:45P		5		5		1		
FALLON	WELD250B F01	WELD CERTIFICATION PREP	T	06:00P-08:45P		4		5		0		

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10-19-2010

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**Welding Technology Certificate of Achievement**      C=canceled section      Term Codes: 1=Spring, 2=Summer, 3=Fall (20063=Fall 2006)  
**2010-2011 Program Review**  
**ENROLLMENT/SCHEDULING HISTORY**  
**\*\*\*Subject Requirements\*\*\***

CAMPUS	CLASS	TITLE	DAY	TIME	20063	20071	20073	20081	20083	20091	20093	20101
FALLON	WELD250B F01	WELD CERTIFICATION PREP	W	06:00P-08:45P						4	1	0
FALLON	WELD250B F02	WELD CERTIFICATION PREP					C					
FALLON	WELD250B F02	WELD CERTIFICATION PREP	T	06:00P-08:45P						5		
FALLON	WELD250B F02	WELD CERTIFICATION PREP	TH	06:00P-08:45P						5	3	
FALLON	WELD250B F03	WELD CERTIFICATION PREP	TH	09:30A-12:15P					C			2
FERNLEY	WELD221 E01	WELDING II	THF	08:00A-05:00P						6		
FERNLEY	WELD250B E01	WELD CERTIFICATION PREP	THF	08:00A-05:00P						6		
FERNLEY	WELD250B E02	WELD CERTIFICATION PREP	TTH	06:00A-04:00P						4		
PRISON	MTL 212 N01	WELDING I	F	09:00A-12:00P	3	C						
PRISON	MTL 213 N01	WELDING II	F	09:00A-12:00P	2	C						
PRISON	MTL 292B N01	WELDING II PRACTICE	F	12:00P-03:00P	2	C						
PRISON	MTL 296B N01	AWS CODE PREPARATION			1	C						
PRISON	WELD211 N01	WELDING I	F	09:00A-12:00P			2					
PRISON	WELD211 N01	WELDING I	W	09:00A-12:00P				1				
PRISON	WELD212B N01	WELDING I PRACTICE	F	12:00P-03:00P			1					
PRISON	WELD212B N01	WELDING I PRACTICE	W	12:00P-03:00P				1				
PRISON	WELD221 N01	WELDING II	F	09:00A-12:00P			1					
PRISON	WELD221 N01	WELDING II	W	09:00A-12:00P				1				
PRISON	WELD222B N01	WELDING II PRACTICE	F	12:00P-03:00P			1					
PRISON	WELD222B N01	WELDING II PRACTICE	W	12:00P-03:00P				C				
PRISON	WELD250B N01	WELD CERTIFICATION PREP					2			4		
YERINGTON	WELD211 Y01	WELDING I	M	06:00P-08:45P								C

## Attachment C: Summary Data Sheet – AAS

2009-2010 PROGRAM REVIEW AASWLD: Welding Technology						
2009-2010 Program Requirements and Electives: DFT 100, ET 131B, MTT 105B or WELD151B (formerly MTL 150B), WELD211 (MTL 212), WELD212B, WELD221 (MTL 213), WELD222B (MTL 292B), WELD224B (MTL 224B), WELD231B (MTL 217B), WELD232B (MTL 293B), WELD241B (MTL 218B), WELD242B (MTL 294B), WELD250B (MTL 296B), WELD290B (MTL 290B).						
<b>A. TEACHING WORKLOAD DATA</b>						
		2004-2005	2005-2006	2006-2007	2007-2008	2008-2009
<b>HEADCOUNT DECLARED (Majors)</b>						
	Full-Time	7	8	13	4	6
	Part-Time	38	40	52	41	27
	Total Full-Time (pt credit/12 + ft)	23	22	42	27	19
<b>DEGREES GRANTED</b>						
	AAS Welding Technology	1	2	3	1	2
<b>SUCCESSFUL COURSE COMPLETION (% Grade A, B, C or P)</b>						
DFT	Traditional (f2f or IAV) only	77	50	58	60	67
ET	Web		83	90	87	70
	Traditional (f2f or IAV)	82	86			
	All ET classes	82	85	90	87	70
MTL	Traditional (f2f or IAV) only	91	82	89		
MTT	Traditional (f2f or IAV) only	95	85	93	86	86
WELD	Traditional (f2f or IAV) only				89	86
<b>STUDENT CREDIT HOURS</b>						
	Total Credit Hours	1428	1285	1382	1312	1356
	% Credit Hours Taught by Full-Time Faculty	63	67	77	74	69
	% Credit Hours Taught by Part-Time Faculty	37	33	23	26	31
	% Credit Hours Consumed by Non-Majors	84	81	78	83	88
<b>FTE STUDENTS TAUGHT</b>						
	Student FTE	95	86	92	88	90
<b>FTE FACULTY (Total FY prefix units taught / 30)</b>						
	Full-time	1.8	2.7	3.2	3.1	2.4
	Part-time	2.5	1.7	1.4	1.0	1.2
	Total	4.3	4.4	4.5	4.1	3.6
<b>WORKLOAD RATIOS</b>						
	Student Credit Hrs/FTE Faculty	330	291	304	322	380
	FTE Students Taught/FTE Faculty	22	19	20	21	25

**Program Review Summary Data Sheet**  
*Associate of Applied Science in Welding Technology*

2005-2006    2006-2007    2007-2008    2008-2009    2009-2010

<b>HEADCOUNT (unduplicated)</b>					
Full-Time	8	13	4	6	7
Part-Time	40	52	41	27	34
Total Full-Time (pt credit/12 + ft)	22	42	27	19	24
<b>SUCCESSFUL COURSE COMPLETION (% Grade A, B, C or P)</b>					
<b>DFT</b>					
Face-to-Face	50	58	60	67	52
<b>ET</b>					
Face-to-Face	86				
Web	83	90	87	70	76
All	85	90	87	70	76
<b>MTL</b>					
Face-to-Face	82	89			
<b>MTT</b>					
Face-to-Face	85	93	86	86	91
<b>WELD</b>					
Face-to-Face			89	86	85
<b>DEGREES GRANTED</b>					
Welding Technology	2	3	1	2	3
<b>STUDENT CREDIT HOURS</b>					
Total Credit Hours	1285	1382	1312	1356	1397
% Credit Hours Taught by Full-Time Faculty	67	77	74	69	75
% Credit Hours Consumed by Non-Majors	81	78	83	88	86
<b>FTE STUDENTS TAUGHT</b>					
Student FTE	86	92	88	90	93
<b>FTE FACULTY (Total FY prefix units taught / 30)</b>					
Full-time	2.7	3.2	3.1	2.4	2.0
Part-time	1.7	1.4	1.0	1.2	0.9
Total	4.4	4.5	4.1	3.6	2.9
<b>WORKLOAD RATIOS</b>					
Student Credit Hrs/FTE Faculty	291	304	322	380	482
FTE Students Taught/FTE Faculty	19	20	21	25	32

**2009-2010 Program Requirements and Electives:** DFT 100; ET 131B; MTT 105B; WELD 151B, 211 (MTL 212), 212B, 221 (MTL 213), 222B (MTL 292B), 224B (MTL 224B), 231B (MTL 217B), 232B (MTL 293B), 241B (MTL 218B), 242B (MTL 294B), 250B (MTL 296B), 290B (MTL 290B).

WLD-AAS

2010-2011

**HEADCOUNT (unduplicated)**

Full-Time	16
Part-Time	38
<b>Total Full-Time</b>	<b>46</b>

**SUCCESSFUL COURSE COMPLETION**

<b>DFT</b>	
Face-to-Face	78
<b>ET</b>	
Face-to-Face	84
Web	
All	84
<b>MTL</b>	
Face-to-Face	
<b>MTT</b>	
Face-to-Face	98
<b>WELD</b>	
Face-to-Face	97

**CERTIFICATES OF ACHIEVEMENT GRANTED**

Welding Technology	0
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**STUDENT CREDIT HOURS**

Total Credit Hours	1391
*% Credit Hours Taught by Full-Time Faculty	80
% Credit Hours Consumed by Non-Majors	75

**FTE STUDENTS TAUGHT**

Student FTE	93
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**FTE FACULTY\***

Full-time	2.5
Part-time	0.6
Total	3.1

**WORKLOAD RATIOS**

Student Credit Hrs./FTE Faculty	449
FTE Students Taught/FTE Faculty	30

\*Based solely on Spring 2011 term as the system does not show instructors assigned to classes for Fall and Summer.

## Summary Data Sheet – CA

2009-2010 PROGRAM REVIEW CP-WLD: Welding Technology					
2009-2010 Subject Requirements: WELD211 (formerly MTL 212), WELD212B, WELD 221 (MTL 213) WELD222B (MTL 292B), WELD250B (MTL 296B).					
<b>A. TEACHING WORKLOAD DATA</b>					
	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009
<b>HEADCOUNT DECLARED (Majors)</b>					
Full-Time	5	4	5	3	4
Part-Time	34	40	28	28	29
<b>Total Full-Time (pt credit/12 + ft)</b>	<b>21</b>	<b>19</b>	<b>20</b>	<b>19</b>	<b>18</b>
<b>CERTIFICATES GRANTED</b>					
Welding Technology Certificate	1	2	1	1	2
<b>SUCCESSFUL COURSE COMPLETION (% Grade A, B, C or P)</b>					
MTL Traditional (f2f or IAV) only	89	79	90		
WELD Traditional (f2f or IAV) only				89	87
<b>STUDENT CREDIT HOURS</b>					
Total Credit Hours	817	769	801	732	844
% Credit Hours Taught by Full-Time Faculty	58	59	70	65	52
% Credit Hours Taught by Part-Time Faculty	42	41	30	35	48
% Credit Hours Consumed by Non-Majors	81	83	87	85	89
<b>FTE STUDENTS TAUGHT</b>					
Student FTE	55	51	53	49	56
<b>FTE FACULTY (Total FY prefix units taught / 30)</b>					
Full-time	1.2	1.4	2.1	1.6	1.0
Part-time	1.9	1.4	1.1	1.0	1.1
<b>Total</b>	<b>3.1</b>	<b>2.8</b>	<b>3.2</b>	<b>2.7</b>	<b>2.1</b>
<b>WORKLOAD RATIOS</b>					
Student Credit Hrs/FTE Faculty	261	272	253	276	402
FTE Students Taught/FTE Faculty	17	18	17	18	27

**Program Review Summary Data Sheet**  
**Welding Technology Certificate of Achievement**

2005-2006    2006-2007    2007-2008    2008-2009    2009-2010

<b>HEADCOUNT (unduplicated)</b>					
Full-Time	4	5	3	4	8
Part-Time	40	28	28	29	27
Total Full-Time (pt credit/12 + ft)	19	20	19	18	24
<b>SUCCESSFUL COURSE COMPLETION (% Grade A, B, C or P)</b>					
<b>MTL</b>					
Face-to-Face	79	90			
<b>WELD</b>					
Face-to-Face			89	87	82
<b>CERTIFICATES OF ACHIEVEMENT GRANTED</b>					
Welding Technology	2	1	1	2	0
<b>STUDENT CREDIT HOURS</b>					
Total Credit Hours	769	801	732	844	772
% Credit Hours Taught by Full-Time Faculty	59	70	65	52	69
% Credit Hours Consumed by Non-Majors	83	87	85	89	87
<b>FTE STUDENTS TAUGHT</b>					
Student FTE	51	53	49	56	52
<b>FTE FACULTY (Total FY prefix units taught / 30)</b>					
Full-time	1.4	2.1	1.6	1.0	1.1
Part-time	1.4	1.1	1.0	1.1	0.7
Total	2.8	3.2	2.7	2.1	1.7
<b>WORKLOAD RATIOS</b>					
Student Credit Hrs/FTE Faculty	272	253	276	402	444
FTE Students Taught/FTE Faculty	18	17	18	27	30

**2009-2010 Subject Requirements: WELD 211 (MTL 212), 212B , 221 (MTL 213), 222B (MTL 292B), 250B (MTL 296B).**

WLD-CP

2010-2011

**HEADCOUNT (unduplicated)**

Full-Time	4
Part-Time	24
<b>Total Full-Time</b>	<b>14</b>

**SUCCESSFUL COURSE COMPLETION**

<b>MTL</b>	
Face-to-Face	
<b>WELD</b>	
Face-to-Face	97

**CERTIFICATES OF ACHIEVEMENT GRANTED**

Welding Technology	0
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**STUDENT CREDIT HOURS**

Total Credit Hours	846
*% Credit Hours Taught by Full-Time Faculty	83
% Credit Hours Consumed by Non-Majors	70

**FTE STUDENTS TAUGHT**

Student FTE	56
-------------	----

**FTE FACULTY\***

Full-time	1.6
Part-time	0.3
<b>Total</b>	<b>1.9</b>

**WORKLOAD RATIOS**

Student Credit Hrs./FTE Faculty	526.8
FTE Students Taught/FTE Faculty	29

Attachment D: Five-Year Academic Assessment

**Five-Year Academic Assessment Plan**

List the program outcomes and/or student learning outcomes and briefly describe the means of assessment for each one. Insert an X in the column of each year that the outcome will be assessed.

<b>Outcomes</b>	<b>2012-2013</b>	<b>2013-2014</b>	<b>2014-2015</b>	<b>2015-2016</b>	<b>2016-2017</b>	<b>Means of Assessment</b>
1. Students will identify welding safety.	X	X	X	X	X	A test will be evaluated based on industry standards.
2. Students will demonstrate the ability to complete welding competency-based hands on exercises, projects, and exams.	X	X	X	X	X	Exercises, projects, and exams will be evaluated based on industry standards.
3. Students will complete and pass welding certification tests in accordance with the selected code and ATF procedures.	X	X	X	X	X	Certification tests will be evaluated according to acceptance criteria of the selected code. Records will be kept.
4.						
5.						
6.						

**Comments/Reflections:**

## Attachment E: Curriculum Review Report

### Curriculum Review Report Associate of Applied Science in Welding Technology Certificate of Achievement in Welding Technology

1. Provide the mission statement and student learning outcomes for this academic program.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

The mission of the Certificate of Achievement is to provide employment-related knowledge and skills.

Students who complete an AAS or a Certificate of Achievement in Welding Technology will be able to demonstrate:

1. Knowledge of the subject matter appropriate to the AAS or Certificate of Achievement in Welding Technology

Are able to do the following:

1. Acquire skills and perform tasks necessary for employment or career enhancement in the welding field
2. Present themselves effectively to a potential employer
3. Utilize appropriate resources to remain current in the welding field

2. Explain how this educational program has maintained the relevancy and currency of its curriculum in response to substantive changes in its discipline or occupational field.

The welding program is centered on welding certification. Welder and procedure certification is required on nearly **all** welding jobs today. Although there are several organizations which deal with this, the major organization is the American Welding Society (AWS). The AWS publishes codes and standards which define the criteria necessary for certification. These certifications can only be issued by an AWS Certified Welding Inspector (CWI). WNC has two, Ed Martin and Randy Naylor. The WNC Carson Campus is the library location for the Sierra Nevada Section of the AWS. This library contains these codes and standards. The Sierra Nevada Section of the American Welding Society has over 100 members and has regular meetings and events. Randy Naylor was the chairman up to 2011.

The Andi Butti Welding Technology Center has been approved by the AWS as an Accredited Test Facility (ATF). This means that the Test Facility has the personnel, organization, experience, procedures, knowledge, equipment, capability, and commitment to conduct the proper welding qualification testing for the AWS Certified Welder Program (AWS QC 4-89 Standard for Accreditation of Test Facilities for AWS Certified Welder Program). This is the **only** such facility in Nevada. Welders from anywhere can come to this facility to test and will be recognized nationally and even worldwide.

The welding program is also a member of the AWS SENSE Program at the Expert level. This program provides the latest classroom materials in welding, Codes and procedures. Such teaching tools ensure up to date library resources and instruction.

The WNC Carson Campus is also the only I-CAR Automotive GMA Welding Qualification Test facility in the state of Nevada. I-CAR (Inter-Industry Conference on Auto Collision Repair) requires that technicians pass this test to weld and repair automobiles which have been damaged in accidents. WNC offers I-CAR certification tests throughout the year (see attached sheets).

The Technical Advisory Committee is made up of welding professionals and instructors, provides regular input to keep the program current with the needs of business and industry. This committee meets at least once a semester (minutes available upon request).

WNC also offers in-house or on-site training. One example would be the classes at Northern Nevada Correctional Center in Carson City. These students end up working for Silver State Industries – a part of the prison industry system. Other examples include the current on-site training programs at the Sherwin-Williams plant in Fernley, and American Buildings Company in Carson City.

WNC also annually hosts high school welding competitions. These include the regional and/ or state SkillsUSA competition and one for Future Farmers of America (FFA). Both of these competitions have students from all over the state of Nevada. The state winner of the SkillsUSA competition goes to a national competition to represent the state of Nevada.

3. Provide evidence that the program has a clear sequence of offerings. Please attach the sequence of offerings to this report.

See Welding Technology Program and suggested course sequence attachments (pg. 51 in the 2010-2011 Academic Program Guide and WNC website).

4. Provide evidence that courses are scheduled in such a manner as to allow students to complete the program within the time of two years for a degree, 18 months for a certificate of achievement, and nine months for a certificate of completion.

All of the WELD courses necessary are offered every semester. See subject requirements enrollment/scheduling history attachments and current WNC Schedule or WNC website.

5. Excluding the current review, explain any program reviews of required or recommended program courses completed within the last three years. Include the year of the review, review process, and those involved in the review.

None

6. Excluding the current review, explain any review of general education or related course instruction completed within the last three years. Include the year of review, review process, and those involved in the review.

None

7. Describe the status of the catalog information pertinent to this program (when it was last updated for example).

The status of the information in the 2012 -2013 Academic Program Guide is current.

8. Attach the course outlines for all courses required or recommended for this program, excluding general education courses (Note: Course outlines refer to the generic course outline required for each course, not the course syllabus developed by an instructor for a specific section of the course).

WELD course outlines for required and recommended courses are attached.

9. Provide evidence that the program teaches students how to locate and use appropriate resources necessary to remain current in the field of study pertinent to the program, including library resources, technical manuals, professional journals, or Internet materials.

Welder certifications are only valid for 6 months. The certification can be signed off if the welder remains active in the welding field. There are hundreds of certifications – each depending on the requirements of the job. This means the welder must remain current in a constantly changing welding field to maintain his or her certification(s), and/or to obtain new ones. AWS is one of several welding organizations which publish journals and have websites.

Resources are also available at the WNC Library located on the Carson campus.

## Welding Technology Program

The Welding Technology program is a preparation program which offers students competencies to prepare for code exams. This allows students with varying degrees of competencies to enter the program and progress at their own pace. Students are encouraged to obtain as many lab hours as possible to ensure their skill development.

### DEGREE REQUIREMENTS – 63 credits

Program Requirements – 39 credits		Credits
DFT 100	Basic Drafting Principles	3
WELD 211	Welding I	3
WELD 221	Welding II	3
WELD 231B	Welding III	3
WELD 241B	Welding IV	3
WELD 212B	Welding I Practice	2
WELD 222B	Welding II Practice	2
WELD 232B	Welding III Practice	2
WELD 242B	Welding IV Practice	2
WELD 250B	Welding Certification Preparation	1-12

Choose 4-11 credits from the following:

ET 131B	DC for Electronics	4
MTT 105B	Machine Shop I	3
or WELD 151B	Metallurgy I	
WELD 224B	Welding Projects	1-6
WELD 290B	Internship in Welding	1-4
WELD: Related Welding Courses		1-3

General Education Requirements* – 24 credits		Credits
English/Communications Requirement: Recommended: BUS107&108		
Must include a writing class		6
Human Relations Requirement: Recommended: BUS110B		3
Humanities/Social Science Requirements		3
Mathematics Requirement		3
Science Requirement		6
U.S./Nevada Constitution course		3

\* A list of all courses fulfilling general education requirements for the AAS can be found on page 14 of the 2012-2013 Academic Program Guide

CERTIFICATE REQUIREMENTS – 30 Credits

Subject Requirements – 18 credits		Credits
WELD 211	Welding I	3
WELD 221	Welding II	3
WELD 212B	Welding I Practice	2
WELD 222B	Welding II Practice	2
WELD 250B	Welding Certification Preparation	6
	Welding Elective	2

General Education Requirements* – 12 credits		Credits
English/Communications Requirements: Recommended: BUS107&108		
Must include a writing course		6
Human Relations Requirement: Recommended: BUS 110B		3
Mathematics Requirement		3

\* A list of all courses filling general education requirements for the Certificate of Achievement can be found on page 30 of the 2012-2013 Academic Program Guide

SUGGESTED COURSE SEQUENCE

First Semester		Third Semester	
BUS 107	3	DFT 100	3
Mathematical Course	3	Science Course	3
MTT 105B	3	WELD 231B	3
Science Course	3	WELD 232B	2
WELD 211	3	WELD 250B	3
WELD 212B	2	WELD 290B	2
Second Semester		Fourth Semester	
BUS 108	3	BUS 110B	3
Humanities/Social Science Course	3	U.S./Nevada Constitutions	3
WELD 221	3	WELD 241B	3
WELD 222B	2	WELD 242B	2
WELD 224B	3	WELD 250B	3
		WELD 290B	2

## Curriculum Review Report Prepared by Curriculum Committee

**Name of Program: Associate of Applied Science in Welding  
Technology**

**Review Period: 2010-2011**

1. Provide the mission and outcomes for this educational program below.

Met✓                                      Partially Met                                      Not Met

Comments: None

2. Explain how this educational program has maintained the relevancy and currency of its curriculum in response to substantive changes in its discipline or occupational field.

Met✓                                      Partially Met                                      Not Met

Comments: None

3. Provide evidence that the program has a clear sequence of offerings. Please attach the sequence of offerings to this report.

Met✓                                      Partially Met                                      Not Met

Comments: None

4. Provide evidence that courses are scheduled in such a manner as to allow students to complete the program within the time specified below.

Degree program: three years

Met✓                                      Partially Met                                      Not Met

Comments: None

5. Excluding the current review, explain any program reviews of required or recommended program courses completed within the last three years. Include the year of the review, review process, and those involved in the review.

Met✓                                      Partially Met                                      Not Met

Comments: None

6. Excluding the current review, explain any review of general education or related course instruction completed within the last three years. Include the year of the review, review process, and those involved in the review.

Met✓                                      Partially Met                                      Not Met

Comments: None

7. Describe the status of the catalog information pertinent to this program (e.g, when was it last updated).

Met✓                                      Partially Met                                      Not Met

Comments: None

8. Attach the course outlines for all courses required or recommended for this program, excluding general education courses. (Note: Course outlines refer to the generic course outline required for each course, not the course syllabus developed by an instructor for a specific section of the course.)

Met✓                                      Partially Met                                      Not Met

Comments: The faculty are commended for having all outlines updated and reflecting the newest revisions of the program and student learning outcomes

9. Provide evidence that the program teaches students how to locate and use appropriate resources necessary to remain current in the field of study pertinent to the program (e.g., library resources, technical manuals, professional journals, or internet materials, etc.)

Met✓                                      Partially Met                                      Not Met

Comments: None

General Recommendations by Curriculum Committee:

The faculty and division chair are commended for the efficient and productive manner in which they conducted the Curriculum Review.

Paul S. Muller  
Curriculum Committee Chair Signature

May 10, 2011  
Date

**Curriculum Review Report  
Prepared by Curriculum Committee**

**Name of Program: Certificate of Achievement in Welding  
Technology**

**Review Period: 2010-2011**

1. Provide the mission and outcomes for this educational program below.

Met✓                                      Partially Met                                      Not Met

Comments: None

2. Explain how this educational program has maintained the relevancy and currency of its curriculum in response to substantive changes in its discipline or occupational field.

Met✓                                      Partially Met                                      Not Met

Comments: None

3. Provide evidence that the program has a clear sequence of offerings. Please attach the sequence of offerings to this report.

Met✓                                      Partially Met                                      Not Met

Comments: None

4. Provide evidence that courses are scheduled in such a manner as to allow students to complete the program within the time specified below.

Degree program: three years

Met✓                                      Partially Met                                      Not Met

Comments: None

5. Excluding the current review, explain any program reviews of required or recommended program courses completed within the last three years. Include the year of the review, review process, and those involved in the review.

Met✓                                      Partially Met                                      Not Met

Comments: None

6. Excluding the current review, explain any review of general education or related course instruction completed within the last three years. Include the year of the review, review process, and those involved in the review.

Met✓                                      Partially Met                                      Not Met

Comments: None

7. Describe the status of the catalog information pertinent to this program (e.g, when was it last updated).

Met✓                                      Partially Met                                      Not Met

Comments: None

8. Attach the course outlines for all courses required or recommended for this program, excluding general education courses. (Note: Course outlines refer to the generic course outline required for each course, not the course syllabus developed by an instructor for a specific section of the course.)

Met✓                                      Partially Met                                      Not Met

Comments: The faculty are commended for having all outlines updated and reflecting the newest revisions of the program and student learning outcomes

9. Provide evidence that the program teaches students how to locate and use appropriate resources necessary to remain current in the field of study pertinent to the program (e.g., library resources, technical manuals, professional journals, or internet materials, etc.)

Met✓                                      Partially Met                                      Not Met

Comments: None

General Recommendations by Curriculum Committee:

The faculty and division chair are commended for the efficient and productive manner in which they conducted the Curriculum Review.

Paul S. Muller  
Curriculum Committee Chair Signature

May 10, 2010  
Date

**WELD 211**  
**Welding I**  
Revised April 2011

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Number of Credits: 3

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course develops the student's manual skills necessary to produce high quality oxy-acetylene welds and flame cuts. The student learns and practices the set up process for the equipment for all phases of oxy-acetylene welding and cutting. The shielded metal-arc welding section develops entry level skills for welders. This course specifically develops basic shielded metal arc welding skills such as striking the arc, maintaining proper arc length, adjusting equipment, and manipulating the electrode.

Prerequisites:

None.

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- The student will become proficient in the manual oxy-acetylene welding and cutting processes. The student will demonstrate safety practices, perform inspections, as well as set up and operate equipment. The student will learn how to visually examine welds and cuts.
- The student will become proficient in making welds in the flat position using SMAW equipment, processes, and procedures. The student will demonstrate safety practices, perform inspections, as well as set up and operate equipment. The student will learn how to visually examine welds.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

### Student Learning Outcomes

**Outcome 1:** Students will demonstrate the knowledge to identify safety procedures, material selection and consumables used in the set-up and use of the OFC and SMAW processes.

**Measure:** Safety procedures are observed during the course of the class. Students will pass an industry based written exam

**Outcome 2:** Students will demonstrate the ability to safely set-up and use the required equipment to produce cuts that comply with AWS industry standards using the OFC process.

**Measure:** Instructor/Inspector evaluated performance Examination in compliance with AWS acceptance criteria.

**Outcome 3:** Students will demonstrate the knowledge and skill required to safely set-up and operate the required equipment and select the appropriate material and consumables to produce fillet welds and groove welds, from a basic drawing, using the SMAW process, in compliance with AWS standards.

**Measure:** Instructor/Inspector evaluated performance examination in compliance with AWS acceptance criteria.

**WELD 212B**  
**Welding I Practice**  
Revised April 2011

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Number of Credits: 2

Transferability of Course within Nevada: CSN, GBC, TMCC

---

**I. Course Description**

This course develops the student's manual skills necessary to produce high quality oxy-acetylene welds and flame cuts. The student learns and practices the set up process for the equipment for all phases of oxy-acetylene welding and cutting. The shielded metal-arc welding section develops entry level skills for welders. This course specifically develops basic shielded metal arc welding skills such as striking the arc, maintaining proper arc length, adjusting equipment, and manipulating the electrode.

Prerequisites:

WELD 211 (Welding I), may be taken with WELD 211.

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- The student will become proficient in the manual oxy-acetylene welding and cutting processes. The student will demonstrate safety practices, perform inspections, as well as set up and operate equipment. The student will learn how to visually examine welds and cuts.
- The student will become proficient in making welds in the flat position using SMAW equipment, processes, and procedures. The student will demonstrate safety practices, perform inspections, as well as set up and operate equipment. The student will learn how to visually examine welds.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

#### Student Learning Outcomes

**Outcome 1** Students will complete a series of predetermined projects designed to develop skills necessary to produce cuts that comply with AWS industry standards using the OFC process.

**Measure:** Training records will be kept during the course of the semester reflecting the completion of pre-determined projects.

**Outcome 2:** Students will complete a series of predetermined projects designed to develop skills necessary to produce flat and horizontal Fillet and Groove welds that comply with AWS industry standards using the SMAW process.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of pre determined projects.

**WELD 221**  
**Welding II**  
Revised April 2011

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Number of Credits: 3

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course continues WELD 211 with emphasis on developing welding skills for GMAW, GTAW, FCAW, and SMAW in the flat, horizontal, vertical, and overhead positions. They may also expand their skills in the oxy-acetylene welding and cutting processes.

Prerequisite: WELD 211 (Welding I), or instructor approval  
20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- SMAW – Practice and become ready to take the AWS qualifying exam in all positions.
- GMAW – Achieve basic skill levels and accessory set up and operation.
- GTAW – Achieve basic skill levels and accessory set up and operation.
- FCAW – Achieve basic skill levels and accessory set up and operation.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** The learner demonstrates safe practices and proper use of personal protective clothing and equipment without direct supervision.

**Measure:** Safe practices are observed routinely during the course and practical knowledge exam with a 90% minimum.

**Outcome 2:** The learner will be able to safely set up and use GMAW equipment and accessories to produce high quality fillet and groove welds on low carbon steel in the flat and horizontal positions in compliance with AWS D1.1 standards.

**Measure:** Practical knowledge exam with a 75% minimum and performance evaluation.

**Outcome 3:** Learner will be able to safely set up and use SMAW equipment and accessories to produce high quality welds on low carbon steel in the vertical and overhead positions in compliance with AWS standards.

**Measure:** Practical knowledge exam with a 75% minimum and performance evaluation.

**WELD 222B**  
**Welding II Practice**  
Revised April 2011

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Number of Credits: 2

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course continues WELD 212 with emphasis on developing welding skills for GMAW, GTAW, FCAW, and SMAW in the flat, horizontal, vertical, and overhead positions. They may also expand their skills in the oxy-acetylene welding and cutting processes.

Prerequisite: WELD 211 (Welding I), may be taken with WELD 221 (Welding II), or instructor approval

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- SMAW – Practice and become ready to take the AWS qualifying exam in all positions.
- GMAW – Achieve basic skill levels and accessory set up and operation.
- GTAW – Achieve basic skill levels and accessory set up and operation.
- FCAW – Achieve basic skill levels and accessory set up and operation.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** Students will complete a series of pre-determined projects designed to develop skills necessary to produce cuts that comply with AWS industry standards using the OFC and CAC-A processes.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of pre-determined projects.

**Outcome 2:** Students will complete a series of pre determined projects designed to develop skills necessary to produce vertical and overhead Fillet and Groove welds that comply with AWS industry standards using the SMAW process

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of pre determined projects.

**WELD 231B**  
**Welding III**  
Revised April 2011

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Number of Credits: 3

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course is a continuation of WELD 221, Welding II, and places an emphasis on the advanced SMAW, GMAW, GTAW, FCAW processes. This course concentrates on the skills needed to pass certification tests in all positions using these processes. This course also provides an introduction to AWS, API, and ASME code certification.

Prerequisites:

WELD 221 (Welding II), or instructor approval

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- The student will demonstrate safety practices and perform inspections and perform minor repairs as well as set up for operations on SMAW, GMAW, GTAW, and FCAW equipment and accessories.
- SMAW, GMAW, GTAW, FCAW – learners will practice and become ready to take the AWS certification exam in all positions.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

### Student Learning Outcomes

**Outcome 1:** Students will demonstrate the knowledge to identify safety procedures, material selection and consumables used in the set-up and use of the GMAW, FCAW, PAC, and CAC-A processes.

**Measure:** Safety procedures are observed during the course of the class. Students will pass an industry based written exam.

**Outcome 2:** Students will demonstrate the ability to safely set-up and use the required equipment to produce cuts that comply with AWS industry standards using the PAC and CAC-A processes.

**Measure:** Instructor/Inspector evaluated performance Examination in compliance with AWS acceptance criteria.

**Outcome 3:** Students will demonstrate the knowledge and skill required to safely set-up and operate the required equipment and select the appropriate material and consumables to produce fillet welds and groove welds, from a basic drawing, using the GMAW and FCAW processes in compliance with AWS standards.

**Measure:** Instructor/Inspector evaluated performance Examination in compliance with AWS acceptance criteria

**WELD 232B**  
**Welding III Practice**  
Revised April 2011

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Number of Credits: 2

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course focuses on GMAW, GTAW and FCAW which will train the student to perform production and certification performance welding on ferrous and non-ferrous metals. The students may also expand skills in the SMAW and oxy-acetylene processes.

Prerequisite:

WELD 221 (Welding II), may be taken with WELD 231B (Welding III)

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- GMAW, GTAW, FCAW, SMAW – learners will practice and become ready to take the AWS qualifying exam in all positions.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** Students will complete a series of pre-determined projects designed to develop skills necessary to produce cuts that comply with AWS industry standards using the PAC and CAC-A processes.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of pre-determined projects.

**Outcome 2:** Students will complete a series of pre determined projects designed to develop skills necessary to produce Fillet and Groove welds that comply with AWS industry standards using the GMAW and FCAW processes.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of pre determined projects.

**WELD 241B**  
**Welding IV**  
Revised April 2011

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Number of Credits: 3

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course is a continuation of MTL 217B, Welding III, and places an emphasis on the advanced SMAW, GMAW, GTAW, FCAW processes. This course concentrates on the skills needed to pass certification tests in all positions using these processes. The student at this level of training may opt to develop skills in the welding of pipe using the SMAW, FCAW, GMAW, GTAW processes. This course also provides an introduction to AWS, API, and ASME code certification.

Prerequisites:

WELD 231B (Welding III), or instructor approval

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- The student will demonstrate safety practices and perform inspections and perform minor repairs as well as set up for operations on SMAW, GMAW, GTAW, and FCAW equipment and accessories.
- SMAW, GMAW, GTAW, FCAW – learners will practice and become ready to take the AWS certification exam in all positions.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

### Student Learning Outcomes

**Outcome 1:** Pass an all-position AWS certification exam using the FCAW process.

**Measure:** 75% of completers will achieve a passing score on the AWS certification exam.

**Outcome 2:** Learner will safely set up and use GTAW and PAC equipment and accessories to produce high quality welds in all positions on low carbon steel and non-ferrous materials.

**Measure:** Practical knowledge exam with a 75% minimum and performance evaluation.

**Outcome 3:** Learner will safely set up and use FCAW equipment and accessories to produce test coupons in all positions for certification in accordance with AWS D1.1.

**Measure:** Practical knowledge exam with a 75% minimum and performance evaluation.

**WELD 242B**  
**Welding IV Practice**  
Revised April 2011

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Number of Credits: 2

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course is designed to give learners the opportunity to develop their skills in the following processes: GTAW, GMAW, FCAW, SMAW. At this point in training, students may also start developing skills necessary to weld pipe using these processes.

Prerequisite:

WELD 231B, may be taken with WELD 241B (Welding IV)

20/20 vision (corrected), good hand-eye coordination, general good health

**II. Course Objectives**

Upon completion of this course the students should be able to:

- GTAW, GMAW, FCAW, SMAW – learners practice and be able to take an AWS certification test in all positions.
- Student will begin to develop skills necessary to weld pipe using these processes.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** Students will complete a series of predetermined projects designed to develop skills necessary to produce welds that comply with AWS industry standards using the GTAW process.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of predetermined projects.

**Outcome 2:** Students will complete a series of predetermined projects designed to develop skills necessary to produce welds that comply with AWS industry standards using the FCAW process.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of predetermined projects.

**WELD 250B**  
**Welding Certification Preparation**  
Revised April 2011

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Number of Credits: 1-6

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course introduces the student to the many certifications available by meeting the standards of the American Welding Society codes. Also, it includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers. May be repeated for up to 12 credits.

Prerequisites:

Consent of the instructor

**II. Course Objectives**

Upon completion of this course the students should be able to:

- Student will obtain certification in the process and according to the code that the student chooses.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course is a required course in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** Students will take a Welder Certification Test in accordance with the selected code

**Measure:** Welder Certification Tests will be evaluated according to the acceptance criteria of the selected code.

**Outcome 2:** Welder Certification Tests will be evaluated according to the acceptance criteria of the selected code.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of projects designed for skill level advancement in the selected process or processes.

# WELD 151B

## Metallurgy I

Revised April 2011

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Number of Credits: 3

Transferability of Course within Nevada: CSN, GBC, TMCC

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### I. Course Description

This course provides an introductory approach to metallurgy with an emphasis on welding technology. Course covers extraction metallurgy as well as physical metallurgy and includes lectures, demonstrations, and experiments in the lab. Discussions will include destructive testing methods as well as non-destructive methods. Class will include a section on distortion control and flame straightening.

Prerequisite: None.

### II. Course Objectives

Upon completion of this course the students should be able to:

- Safe conduct in a shop situation where metal fabrication and testing is performed.
- To develop an understanding of extractive and physical metallurgy and its relationship to welding and metals.
- To develop knowledge of metal fabrication, casting processes, and how heat treating affects metals and welds.
- To utilize destructive and non-destructive methods to test metals and welds.
- Understand and use methods that prevent and correct distortions caused by fabrication and the welding of metals.

### III. Linkage of course to educational program mission and at least one educational program outcome.

The mission of the Associate of Applied Science in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** The student demonstrates safe practices and proper use of personal protective clothing and equipment without direct supervision.

**Measure:** Safe practices are observed routinely during the course and practical knowledge exam with a 90% minimum.

**Outcome 2:** The student demonstrates knowledge of basic metallurgy and testing methods as related to the welding of metals.

**Measure:** Student will pass a practical knowledge exam with a minimum of 70%.

**WELD 290B**  
**Internship in Welding**  
Revised April 2011

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Number of Credits: 1-8

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course provides the student with on-the-job supervised and educationally directed work experience.

Prerequisite: Must be employed in welding field

**II. Course Objectives**

Upon completion of this course the students should be able to:

- Expand knowledge in an actual on-the job situation
- Receive additional training as it applies to specific employment situation and environment
- Exposure to working with others to accomplish a goal

**III. Linkage of course to educational program mission and at least one educational program outcome.**

The mission of the Associate of Applied Science in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

Student Learning Outcomes

**Outcome 1:** Acquire skills and perform tasks necessary for employment or career enhancement in the welding field.

**Measure:** Evaluated performance by employer.

**Outcome 2:** Present themselves effectively to a potential employer.

**Measure:** Evaluated performance by employer.

**Outcome 3:** Effective communication and computation skills appropriate to the welding field.

**Measure:** Evaluated performance by employer.

**WELD 224B**  
**Welding Projects**  
Revised April 2011

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Number of Credits: 1-6

Transferability of Course within Nevada: CSN, GBC, TMCC

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**I. Course Description**

This course offers the welding student additional supervised lab hours. Students will perfect their skills through an approved project or work towards an AWS Code test.

Prerequisite: Consent of Instructor.

**II. Course Objectives**

Upon completion of this course the students should be able to:

- Complete approved project or work towards an AWS Code test.

**III. Linkage of course to educational program mission and at least one educational program outcome.**

This course may be used as an elective in the Associate of Applied Science degree in Welding Technology.

The mission of the Associate of Applied Science degree in Welding Technology is to provide employment-related knowledge and skills necessary to succeed in the welding field.

**Student Learning Outcomes**

**Outcome 1:** Students will complete a series of predetermined projects designed to develop skills necessary to produce cuts that comply with AWS industry standards using the OFC process.

**Measure:** Training records will be kept during the course of the semester reflecting the successful completion of pre-determined projects.

**Outcome 2:** Students will take a Welder Certification Test in accordance with the selected code

**Measure:** Welder Certification Tests will be evaluated according to the acceptance criteria of the selected code.

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