



**WELDING TECHNOLOGY**  
**ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE**  
**and**  
**CAREER & TECHNICAL EDUCATION CERTIFICATES**  
**PROGRAM WORKSHEET AND GRADUATION REQUIREMENTS**

08-09 Catalog

Student Name \_\_\_\_\_ Advisor \_\_\_\_\_ Ext. \_\_\_\_\_

Aims # \_\_\_\_\_ Evaluator \_\_\_\_\_ Date \_\_\_\_\_

**WELDING TECHNICIAN CERTIFICATE**

*NOTE: Upon completion of all five of the following mini certificates the student will receive the Welding Technician Certificate which signifies completion of the certificate program.*

**BASIC WELDING & CUTTING CERTIFICATE**

<u>Course</u>		<u>Required</u>		<u>Transfer</u>		
<u>Number</u>	<u>Requirements</u>	<u>Credits</u>	<u>Term</u>	<u>Credits</u>	<u>Taken</u>	<u>Needs</u>
WEL 100	Safety for Welders	1	_____	_____	_____	_____
WEL 101	Allied Cutting Processes	4	_____	_____	_____	_____
WEL 102	Oxyacetylene Joining Processes	4	_____	_____	_____	_____
<b>TOTAL CREDITS FOR CERTIFICATE</b>		<b>9</b>				

**SMAW CERTIFICATE**

<u>Course</u>		<u>Required</u>		<u>Transfer</u>		
<u>Number</u>	<u>Requirements</u>	<u>Credits</u>	<u>Term</u>	<u>Credits</u>	<u>Taken</u>	<u>Needs</u>
WEL 103	Basic Shielded Metal Arc Welding I	4	_____	_____	_____	_____
WEL 110	Advanced Shielded Metal Arc Welding I	4	_____	_____	_____	_____
<b>TOTAL CREDITS FOR CERTIFICATE</b>		<b>8</b>				

**GMAW CERTIFICATE**

<u>Course</u>		<u>Required</u>		<u>Transfer</u>		
<u>Number</u>	<u>Requirements</u>	<u>Credits</u>	<u>Term</u>	<u>Credits</u>	<u>Taken</u>	<u>Needs</u>
WEL 201	Gas Metal Arc Welding I	4	_____	_____	_____	_____
WEL 202	Gas Metal Arc Welding II	4	_____	_____	_____	_____
<b>TOTAL CREDITS FOR CERTIFICATE</b>		<b>8</b>				

**FCAW CERTIFICATE**

<u>Course</u>		<u>Required</u>		<u>Transfer</u>		
<u>Number</u>	<u>Requirements</u>	<u>Credits</u>	<u>Term</u>	<u>Credits</u>	<u>Taken</u>	<u>Needs</u>
WEL 203	Flux Cored Arc Welding I	4	_____	_____	_____	_____
WEL 204	Flux Cored Arc Welding II	4	_____	_____	_____	_____
<b>TOTAL CREDITS FOR CERTIFICATE</b>		<b>8</b>				

**ADVANCED WELDING PROCESSES CERTIFICATE**

<u>Course</u>		<u>Required</u>		<u>Transfer</u>		
<u>Number</u>	<u>Requirements</u>	<u>Credits</u>	<u>Term</u>	<u>Credits</u>	<u>Taken</u>	<u>Needs</u>
WEL 224	Advanced Gas Tungsten Arc Welding	4	_____	_____	_____	_____
WEL 230	Pipe Welding I	4	_____	_____	_____	_____
WEL 231	Pipe Welding II	4	_____	_____	_____	_____
<b>TOTAL CREDITS FOR CERTIFICATE</b>		<b>12</b>				

**TOTAL CREDITS FOR WELDING TECHNICIAN CERTIFICATE**      45      \_\_\_\_\_

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**A.A.S. DEGREE - WELDING TECHNOLOGY**

NOTE: Completion of the Welding Technician Certificate in addition to the following general education courses will fulfill the Welding Technology Degree requirements

**GENERAL EDUCATION REQUIREMENTS**

<u>Course Number</u>	<u>Requirements</u>	<u>Required Credits</u>	<u>Term</u>	<u>Transfer Credits</u>	<u>Taken</u>	<u>Needs</u>
<b><u>COMMUNICATION - SELECT ONE COURSE</u></b>						
BUS 217	Business Communications and Report Writing	3	_____	_____	_____	_____
ENG 121	English Composition I	3	_____	_____	_____	_____
ENG 131	Technical Writing	3	_____	_____	_____	_____
<b><u>MATHEMATICS - SELECT ONE COURSE</u></b>						
MAT 106	Survey of Algebra	4	_____	_____	_____	_____
MAT 108	Technical Mathematics	4	_____	_____	_____	_____
MAT 112	Financial Mathematics	3	_____	_____	_____	_____
<b><u>ORAL COMMUNICATION or TECHNOLOGY - SELECT ONE COURSE</u></b>						
CIS 118	Intro to PC Applications	3	_____	_____	_____	_____
COM 115	Public Speaking	3	_____	_____	_____	_____
<b><u>PHYSICAL &amp; LIFE SCIENCES</u></b>						
Choose one course from the following prefixes: AST, BIO, CHE, ENV, GEY, MET, PHY, or SCI (3 Credits Minimum)						
Course Prefix and Number: _____		_____	_____	_____	_____	_____
		<b>Credits</b>				
<b><u>SOCIAL &amp; BEHAVIORAL SCIENCES or ARTS &amp; HUMANITIES</u></b>						
Choose one course from the following prefixes: ANT, ART, ECO, GEO, HIS, HUM, LIT, MUS, PHI, POS, PSY, SOC, THE, or any foreign language course prefix. (3 Credits Minimum)						
Course Prefix and Number: _____		_____	_____	_____	_____	_____
		<b>Credits</b>				
<b>Total General Education Credits</b>		_____	<b>15 Minimum</b>			
<b>Total Credits for Welding Technology Degree</b>		_____	<b>60 Minimum</b>			

Note : All courses are 100 level or above and must be passed with a "C" or better.

**For Welding Department Use:**

<u>Major:</u>	_____					
<u>Course</u>	<u>Assessment Scores</u>	<u>Credits</u>	<u>Needs</u>	<u>Term</u>		
REA 060	RC: _____	3	_____	_____		
REA 090		3	_____	_____		
ENG 030	SS: _____	2	_____	_____		
ENG 060		3	_____	_____		
ENG 090		3	_____	_____		
MAT 030	AR: _____	2	_____	_____		
MAT 060	EA: _____	3	_____	_____		
MAT 090		4	_____	_____		