

Individual Graduation Plan  
**A50420 Welding Technology**  
 Fall 2017

Student Name: \_\_\_\_\_

Student No: \_\_\_\_\_

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry. Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application. Graduates of the Welding Technology curriculum may be employed as entry-level technicians in welding and metalworking industries. Career opportunities also exist in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.

### Developmental Requirements

*(Some developmental requisites may be waived based on placement scores, course selection, etc.)*

Year	Semester	Grade	Course Number and Title	Hrs	Prerequisites	Corequisites	
			CIS 070	Fundamentals of Computing	1		
			DMA 010	Operations with Integers	1		
			DMA 020	Fractions and Decimals	1*	DMA 010	
			DMA 030	Propor/Ratio/Rate/Percent	1*	DMA 010 and 020	
			DRE 096	Integrated Reading and Writing	3		
			DRE 097	Integrated Reading Writing II	3*	DRE 096	
			DRE 098	Integrated Reading Writing III	3*	DRE 097	

### Curriculum Program Requirements

Year	Semester	Grade	Course Number and Title	Hrs	Prerequisites	Corequisites	
			<b>1<sup>st</sup> Semester</b>				
			ACA 115	Success & Study Skills	1		
			WLD 110	Cutting Processes	2		
			WLD 115	SMAW (Stick) Plate	5		
			WLD 131	GTAW (TIG) Plate	4		
			WLD 141	Symbols & Specifications	3		
			<b>2<sup>nd</sup> Semester</b>				
			ENG 111	Writing and Inquiry	3*	DRE 098	CIS 070 or CIS 110
			WLD 116	SMAW (Stick) Plate/Pipe	4		
			WLD 121	GMAW (MIG) FCAW/Plate	4		
			WLD 132	GTAW (TIG) Plate/Pipe	3	WLD 131	
			WLD 151	Fabrication I	4		

3 <sup>rd</sup> Semester						
			_____	Communication Choice (Choose from COM 231 or ENG 111)	3*	Varies
			WLD 261	Certification Practices	2	WLD 115, WLD 121 and WLD 131
4 <sup>th</sup> Semester						
			CIS 110	Introduction to Computers	3	
			DFT 119	Basic CAD	2	
			HUM 115	Critical Thinking	3	
			MAT 110	Math Measurement & Literacy	3*	DMA 010, DMA 020 and DMA 030
			WLD 215	SMAW (Stick) Pipe	4	
5 <sup>th</sup> Semester						
			BPR 130	Print Reading-Construction	3	
			BUS 230	Small Business Management	3	
			ISC 112	Industrial Safety	2	
			POL 120	American Government	3*	DRE 096
			WLD 231	GTAW (TIG) Pipe	3	WLD 132
<b>TOTAL PROGRAM HOURS REQUIRED =</b>					<b>67</b>	
<b>Total Developmental Hours Required * =</b>						
<b>Total Hours Required =</b>						

\* Hours may be required as indicated by placement scores increasing the number of semester hours required for program completion.

Notes:

_____	_____
<i>Student Signature</i>	<i>Date</i>
_____	_____
<i>Advisor/Counselor Signature</i>	<i>Date</i>