

2022 – 2023 ARTICULATION AGREEMENT
between
Triangle Tech and Corry Area School District

In order to provide secondary school students with a continuum of education without unnecessary duplication of instruction or delay in attaining educational/career objectives, Triangle Tech and Corry Area School District have entered into this articulation agreement. Credits will be granted on the basis of the courses listed below:

Corry Area School District
48.0508 Welding Technology/Welder

Triangle Tech
Welding and Fabrication Technology

Course Number	Course Name	Hours	Semester	Course Number	Course Name	Semester Credits
200	Principles of Welding		1st	WD 110	Introduction to Arc Welding Processes	3
	201 Identify major types of metals (ferrous and nonferrous) used in welding	15				
	202 Describe the basic principles of heat, expansion and contraction as it relates to metals	20				
	203 Select appropriate welding technique, equipment and supplies for a given metal or process	20				
	204 Describe the industry accepted welding codes, standards and procedures and their use	20				
	205 Identify various joint designs (joint geometry)	25				
	206 Clean and prepare materials for welding and/or cutting, and grind finishing	25				
	207 Demonstrate proper use of hand tools	20				
	208 Demonstrate proper use of standard measuring and layout tools	20				
	209 Demonstrate proper use of power equipment	20				
500	Shielded Metal Arc Welding (SMAW)					
	501 Perform safety inspections of SMAW equipment and accessories	15				
	502 Make minor external repairs to SMAW equipment and accessories	15				
	503 Set up and operate SMAW equipment	15				
	504 Make fillet welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead)	20				
	505 Make groove welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead)	20				
	506 Pass performance test in all positions	20				
	507 Perform qualification test	20				
	Total Related Class Hours	310				
100	Occupational Orientation and Safety		1 st	WD 111	Fuel Gas Processes and Industrial Safety	4
	101 Complete time or job sheet, reports or records	4				
	102 Perform housekeeping duties daily	4				
	103 Follow verbal instructions to complete work assignments and rules	4				
	104 Follow written instructions to complete work assignments and rules	2				
	105 Inspect and use Personal Protections Equipment (PPE) daily	2				
	106 Maintain proper organization and operation of work area	10				
	107 Demonstrate proper use of ventilation equipment	1				
	108 Discuss proper Hot Work operation	2				
	109 Demonstrate knowledge of proper work actions for working in confined spaces.	10				
	110 Identify Safety Data Sheets (SDS) and precautionary labeling	2				
	111 Inspect welding and thermal cutting equipment for safe operation	5				
	112 Display familiarity with industrial and OSHA safety standards	5				

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113 Identify oxyfuel safety procedures	10				
114 Identify arc welding/cutting safety procedures	10				
115 Follow emergency action plan (all inclusive)	5				
900 Manual Oxyfuel Gas Cutting (OFC)					
901 Perform safety inspections of OFC equipment and accessories	10				
902 Make minor consumable part(s) external repairs to OFC equipment and accessories	10				
903 Set up for safe, accurate manual OFC operations on steel	10				
904 Operate manual OFC equipment	10				
905 Perform straight cutting operations on steel	10				
906 Perform shape cutting operations on steel	15				
907 Perform bevel cutting operations on steel	15				
908 Perform piercing operations on steel	15				
1000 Mechanized Oxyfuel Gas Cutting (OFC)					
1001 Perform safety inspections of mechanized OFC equipment and accessories	10				
1002 Make minor external consumable part(s) repairs to mechanized OFC equipment and accessories	10				
1003 Set up and operate mechanized OFC equipment on steel	20				
1004 Perform straight line cutting operations on steel	20				
Total Related Class Hours	231				
1100 Manual Plasma Arc Cutting (PAC)		1 st	WD115	Plasma Arc Cutting & Templates	1
1101 Perform safety inspections of PAC equipment and accessories	10				
1102 Make minor external consumable part(s) repairs to PAC equipment and accessories	10				
1103 Set up and operate manual PAC operations on ferrous and nonferrous materials	20				
1104 Perform shape cutting operations on ferrous and nonferrous materials	20				
1200 Manual Air Carbon Arc Cutting (CAC-A)					
1201 Perform safety inspections of CAC-A equipment and accessories	10				
1202 Make minor external repairs to CAC-A equipment and accessories	10				
1203 Set up and operate manual CAC-A gouging cutting operations and steel	15				
1204 Perform gouging and scarfing operations, to remove base and weld metal, on steel	15				
Total Related Class Hours	110				
600 Gas Metal Arc Welding (GMAW)		2 nd	WD 123	Plate Welding Processes GTAW / GMAW	6.5
601 Perform safety inspections of GMAW equipment and accessories	15				
602 Make minor external repairs to GMAW equipment and accessories	10				
603 Set up and operate GMAW equipment	20				
604 Make fillet welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead)	25				
604a Make welds on non-ferrous metals in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead)	10				
605 Make groove welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead)	25				
606 Pass performance test	10				
800 Gas Tungsten Arc Welding (GTAW)					
801 Perform safety inspections of GTAW equipment and accessories	10				
802 Make minor external repairs to GTAW equipment and accessories	10				

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803 Set up and operate GTAW equipment	15			
804 Make fillet welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead) on ferrous materials	20			
805 Pass performance test on ferrous materials	15			
806 Set up and operate GTAW on nonferrous materials	20			
807 Make fillet welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead) on non-ferrous materials	10			
808 Pass performance test on nonferrous materials	10			
Total Related Class Hours	225			
700 Flux Cored Arc Welding (FCAW)				
701 Perform safety inspections of Flux Cored Arc equipment and accessories	10	3 rd	WD 230	Semi-Automatic Arc Welding and Metal Surfacing
702 Make minor external repairs to Flux Cored Arc equipment and accessories	10			
703 Set up and operate FCAW equipment	25			
704 Make fillet welds in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead)	30			
705 Pass performance test	15			
706 Demonstrate a groove weld in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead) on ferrous materials	10			
707 Make a groove weld in all positions (Flat, Horizontal, Vertical-Up, Vertical-Down, and Overhead) on non-ferrous materials	30			
Total Related Class Hours	130			
Total Instructional Hours	1006		Total Credits Awarded	16.5

Before course credit(s) can be awarded, the following conditions must be fulfilled:

1. Student must meet standard admission criteria of Triangle Tech.
2. Applicant must notify the Admissions Department at Triangle Tech of his/her intention to apply for the grant of credit under this agreement.
3. Application for the grant of credit must be made within one year after coursework at the secondary institution has been completed.
4. Applicants, who desire credit for the above-mentioned courses at Triangle Tech, must have earned a "B" or higher average in the related Corry Area School District courses. Corry Area School District must provide a final transcript of grades, which lists the applicant's earned final grade for each above-mentioned course referenced in this agreement for credit-transfer.
5. In lieu of a letter grade, the applicant will receive a "CR" grade on their Triangle Tech transcript designating that the applicant has received credit for the above-mentioned courses.
6. Upon completion of the application requirements, credit(s) may be granted on a course by course basis and the student will be granted \$497.00 per credit per course toward their tuition at Triangle Tech. (If credit per course price increases, credit per course granted will increase to match.)
7. Applicant should be aware that courses for which credits are granted may have an impact on the overall financial aid resources available to the student, if the total semester credits actually taken after credits are granted fall below 12 credits per semester.

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CLASSROOM PRESENTATIONS

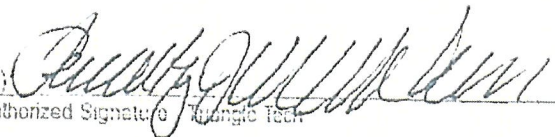
As part of this agreement, Corry Area School District administrators will permit Triangle Tech representatives to conduct classroom presentations to welding classes at Corry Area School District, each year, to promote welding careers and this articulation agreement.

DURATION OF REVIEW

This agreement will take effect upon the affixing of signatures by each of the parties named below.

This Memorandum of Agreement shall be effective from the date of affixing signatures and shall be renewed annually one year from the date of origination. It remains subject to such revisions as are mutually agreeable at the time of annual review, but the duration of the agreement shall be considered continuous. Either party may terminate the agreement at the time of annual review provided the party has given written notice 90 days in advance of intent to do so.

In testimony thereof, witness the duly authorized signatures of the parties hereto:

(1) 
Authorized Signature - Triangle Tech

Date: 4/25/23

Print Name: Timothy J. McMahon

Title: President

(1) 
Authorized Signature - Corry Area School District

Date: 4/25/23

Print Name: Shen L. Yetzer

Title: Superintendent

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Triangle Tech
Industrial & Structural Welding

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In testimony thereof, witness the duly authorized signatures of the parties hereto:

(1) Timothy J. McMahon
Authorized Signature - Triangle Tech

Date: 4/24/2023

Print Name: Timothy J. McMahon

Title: President

(1) Sheri L. Vetter
Authorized Signature - Corry Area School District

Date: 4/25/23

Print Name: Sheri L. Vetter

Title: Superintendent