

2022 -2023 ARTICULATION AGREEMENT
between
Triangle Tech and Warren County Career Center

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 Warren County Career Center have entered into this articulation agreement. Credits will be granted on the basis of the courses listed below:

Warren County Career Center
CIP 15.1301 Drafting and Design Technology/Technician, General

Triangle Tech
CADD with Additive Manufacturing & 3D
Printing Technology

Course Number	Course Name	Hours	Semester	Course Number	Course Name	Semester Credits
100.0	Orientation		1 st	CD114	Drafting Principles	4.0
	101 Demonstrate safety in the drafting room	4	1 st	CD115	Fundamentals of Mechanical Drafting	5.0
	102 Demonstrate professionalism	4				
200.0	Introduction to Drafting and Design					
	201 Identify basic board drafting tools and equipment which are used to produce drawings	6				
	203 Demonstrate knowledge of the basic uses of scales	10				
	204 Demonstrate skill in using Imperial and Metric System of measurement	2				
	205 Identify components of a drawing	5				
300.0	Geometric Construction					
	301 Draw to scale	25				
	302 Draw geometric figures using basic drafting principles	25				
	303 Create drawings using geometric construction principles	22				
500.0	Freehand Drawing and Sketching					
	501 Identify and sketch the alphabet of lines	1				
	502 Sketch orthographic views	20				
	503 Sketch an Isometric drawing	20				
	504 Develop a perspective drawing using freehand methods	2				
	507 Express an idea using the sketching process	2				
	508 Create letters and numbers in single stroke capital letters (Gothic) on a technical sketch	1				
600.0	Introduction to Engineering Math					
	601 Use basic math operations to demonstrate scaling techniques	2				
	602 Use basic applied mathematics to solve engineering problems	20				
	603 Construct lines using relative absolute and polar coordinate systems	20				
	604 Establish the relationship among points lines and planes in 3-D space	10				
	605 Solve descriptive geometry problems.	20				
700.0	Introduction to Mechanical Drawing and Design					
	701 Identify and draw necessary orthographic views	100				
	702 Explain the relationship of orthographic projection to multiview drawing	10				
	703 Identify 1st angle and 3rd angle projection	10				
	704 Identify and draw auxiliary views	40				
	705 Identify and draw section views	40				
	706 Identify and draw threads and fasteners	40				
	707 Create working drawings (assembly, detail drawings BOM)	18				
	708 Create a title block on a mechanical drawing	18				

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800.0	Dimensioning		
	801 Apply measurements notes and symbols to a technical drawing	40	
	802 Apply ANSI Standards for Dimensions tolerances and notes	10	
	803 Apply ISO Standards for Dimensions and notes	5	
		Total Related Class Hours	552
		Total Hours	552
		Total Credits	9.0

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 Warren County Career Center courses. Warren County Career Center 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.

CLASSROOM PRESENTATIONS

As part of this agreement, Warren County Career Center administrators will permit Triangle Tech representatives to conduct classroom presentations to drafting classes at Warren County Career Center, each year, to promote drafting careers and this articulation agreement.

