

2023 – 2024 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 15.0303 Electrical, Electronic and Communications Engineering
Technology/Technician

Triangle Tech
Maintenance Electricity and Construction Technology

Course Number	Course Name	Hours	Semester	Course Number	Course Name	Semester Credits
200	Electrical Quantities and Components		1st	ME110	Essentials of Electricity and Electronics	3.0
	201 Describe electronic measurements and their applications	5				
	202 Identify the fundamental SI units	10				
	205 Identify resistor values by color code and numerical markings	5				
400	Ohm's Law					
	401 Apply the concept of Ohm's law to determine current, voltage or resistance	20				
	402 Identify the relationship between voltage, current, resistance, and power in DC using the 12 basic common formulas derived from Ohm's and Watt's Law Pie Chart	20				
500	Series Circuits					
	501 Apply Kirchhoff's Voltage Law in a series circuit	10				
	504 Solve for equivalent resistance in a series circuit	10				
	505 Analyze power consumption, dissipation and energy units in a series circuit	10				
	506 Analyze the affects of open circuits and short circuits in a series circuit	10				
600	Parallel Circuits					
	601 Solve for equivalent resistance in a parallel circuit	10				
	602 Explain voltage in a parallel circuit	10				
	603 Apply Kirchhoff's Current Law in a parallel circuit	10				
	605 Analyze power consumption, dissipation and energy units in a parallel circuit	10				
	606 Analyze the affects of open circuit and short circuit conditions in parallel circuits	10				
700	Series-Parallel Circuits					
	701 Solve for equivalent resistance in a Series-Parallel combination circuit	20				
	702 Apply Kirchhoff's current and voltage law to a Series-Parallel Circuit	10				
	703 Analyze and troubleshoot DCA combinations/complex circuits	10				
900	Alternating Current					
	901 Calculate the frequency of the waveform	5				
	902 Determine the average and RMS values of a sine-wave	10				
	903 Explain various waveforms	5				
3100	History of Electronics					
	3101 Examine the cause and effect of past, present and future technologies	20				
		Total Related Class Hours	230			
		Total Hours	230			Total Semester Credits 3.0

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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 electrical classes at Warren County Career Center, each year, to promote electrical 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: _____

Print Name: Timothy J. McMahon

Title: President

(1) _____
Authorized Signature – Warren County Career Center

Date: _____

Print Name: _____

Title: _____

WARREN COUNTY SCHOOL DISTRICT

Paul J. Mangione
President, Board of School Directors

Date

ATTEST:

Taylor Trisket
Secretary, Board of School Directors

Date

WARREN COUNTY CAREER CENTER

Paul J. Mangione
President, Board of School Directors

Date

ATTEST:

Taylor Trisket
Secretary, Board of School Directors

Date