

**2023 - 2024 ARTICULATION AGREEMENT**  
**Between**  
**Triangle Tech and Fayette County Career and Technology Institute**

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 **Fayette County Career and Technology Institute** have entered into this articulation agreement. Credits will be granted on the basis of the courses listed below:

Fayette County Career and Technology Institute			Triangle Tech			
47.0201 Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician			Refrigeration, Heating, Ventilation, and Air Conditioning Technology			
Course Number	Course Name	Hours	Semester	Course Number	Course Name	Semester Credits
Unit 601	Compare and analyze methods of producing electricity using appropriate terms	5				
Unit 602	Calculate basic electrical quantities using ohm's law	10				
Unit 603	Explain how magnetism is used in different HVAC components.	10				
Unit 604	Identify Safe Electrical Practices.	7				
Unit 606	Demonstrate proper wiring techniques.	15				
Unit 607	Demonstrate electrical testing to include mechanical/electrical relays.	6	1 <sup>st</sup>	RH111	Essentials of Electricity	2.0
Unit 608	Wire series circuit, parallel circuit, and series/parallel circuit.	5				
Unit 609	Install electric disconnects, circuit breakers and fuses.	10				
Unit 610	Identify and test capacitors.	3.0				
Unit 611	Identify electrical motors and their applications.	5.0				
Unit 612	Identify motor control protection and start devices.	3				
Unit 613	Identify Electrical Codes.	5				
Unit 614	Demonstrate knowledge of transformers and their applications.	3				
<b>Total Related Class Hours</b>		<b>87</b>				
<b>Total Hours</b>		<b>87</b>			<b>Total Semester Credits</b>	<b>2.0</b>

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 **Fayette County Career and Technology Institute** courses. **Fayette County Career and Technology Institute** 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.)

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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, Fayette County Career and Technology Institute administrators will permit Triangle Tech representatives to conduct classroom presentations to RHVAC classes at Fayette County Career and Technology Institute, each year, to promote RHVAC 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.

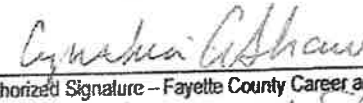
In testimony thereof, witness the duly authorized signatures of the parties hereto:

(1)   
Authorized Signature - Triangle Tech

Print Name: Timothy J. McMahon

Date: 9-27-23

Title: President

(1)   
Authorized Signature - Fayette County Career and Technology Institute

Print Name: Cynthia A. Shaw

Date: 9-13-23

Title: Executive Director