

2020 – 2021 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 & Technical Institute

Triangle Tech

CIP 46.0399 Electrical and Power Transmission Installers

Maintenance Electricity and Construction Technology

Course Number	Course Name	Hours	Semester	Course Number	Course Name	Semester Credits
100	Basic Safety		1 st	ME111	Tools and Safety	1
	101 Inspect and use personal protective equipment	5				
	106 Identify four classes of fire extinguishers	5				
	107 Confirm circuits are de-energized before working on them	10				
	108 Perform lockout/tagout	10				
	111 Identify Arc-flash hazards and protection	10				
200	Hand Tools					
	201 Use screwdrivers	10				
	202 Use pliers	5				
	203 Use keyhole/drywall saw	2				
	204 Use hydraulic knockout/punch tool	2				
	205 Use a tape measure	10				
	206 Use wire strippers	10				
	207 Use wire cutters	5				
	208 Use utility knife	10				
	209 Use torpedo level	5				
	210 Use a hammer	5				
	211 Use a conduit reamer	8				
	212 Use a hacksaw	5				
	213 Use a roto-split	3				
	214 Use adjustable or non adjustable wrenches	2				
	215 Use ratchet and sockets	5				
300	Power Tools					
	302 Use electric hammer drill	15				
	303 Use reciprocating saw	5				
	304 Use portable hand-held band saw	10				
	306 Use a drill	20				
1100	Testing Equipment					
	1101 Use a multimeter	20				
	1102 Use a continuity tester	10				
	1103 Use a plug-in circuit tester	10				
	1104 Use a clamp-on ammeter	15				
	1106 Use a circuit tracer	5				
		Total Related Class Hours	237			

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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 all the related Fayette County Career and Technology Institute courses listed above
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 granted \$482.50 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, Fayette County Career and Technology Institute administrators will permit Triangle Tech representatives to conduct classroom presentations to electrical classes at Fayette County Career and Technology Institute, 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

Print Name: TIMOTHY J. MCMAHON

Date: 1/23/21

Title: _____

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

Print Name: Cynthia A. Shaw

Date: 1-20-21

Title: Executive Director

Maintenance Electricity and Construction Technology

ADMISSIONS REQUIREMENTS

1. High School Diploma or G.E.D.

GRADUATION REQUIREMENTS FOR THE ASSOCIATE IN SPECIALIZED TECHNOLOGY DEGREE

1. Satisfactory completion of the required subjects in the prescribed curriculum, or having been granted credit as stated under "Advanced Standing."
2. Attainment of minimum 2.0 Q.P.A. (cumulative).
3. Must meet minimum attendance requirement.
4. Carry no grades of "F".
5. Settlement of all financial obligations to the school.

COURSE OBJECTIVE

This curriculum is designed to present educational experiences by providing theory and laboratory experiments pertaining to maintenance and construction electricity.

Emphasis is placed on residential, commercial, and industrial construction and maintenance electricity. The ability to design control circuits, initiate first degree repairs on motors, and troubleshoot electrical equipment in a rapid and professional manner is taught through organized theory and lab situations. Cost effectiveness and the requirements of the National Electrical Code (N.E.C.) are taught in each application.

The primary objective is to prepare a student for entry-level employment as a maintenance and construction electrician. Major emphasis is placed on developing the student's ability to troubleshoot and coordinate work with tradespeople in related fields.

PROSPECTIVE STUDENTS

A prospective student should be in good health, have a working knowledge of math, possess the desire and ability to function as part of a team, have a good imagination and comprehensive reading ability.



No one trains you like **TRIANGLE
TECH**

Maintenance Electricity and Construction Technology

COURSE NO.	COURSE	SEMESTER CREDIT HOURS
1ST SEMESTER		
ME110	Essentials of Electricity and Electronics	3
ME111	Tools and Safety	1
ME112	Residential Construction, Circuit Design & Electrical Floor Plans	8
TR110	Technical Mathematics/Algebra	4.5
TR112	Introduction to Computers	1.5
	Semester Credit Hour Total	18
2ND SEMESTER		
ME120	Construction Site Safety	1
ME121	Three Phase Motors and Transformers	5.5
ME122	Residential Services	2
ME123	AC/DC Motors and Generators	2
ME124	Special Occupancies and Conditions and Over-Current Protection	5
ME125	Commercial Circuit Design	2.5
	Semester Credit Hour Total	18
3RD SEMESTER		
ME230	Lighting and Luminaries	1
ME231	Commercial and Industrial Power Distribution	4
ME235	Low Voltage, Motor Control & DC Circuits	5
ME236	Fundamentals of Programmable Logic Controllers	5
ME237	Communication Systems	3
	Semester Credit Hour Total	18
4TH SEMESTER		
ME240	Raceway Systems	4.5
ME241	Industrial Controls and Advanced Programmable Logic Controllers	8
ME242	Cost Estimating and Technical Writing	4.5
TR240	Job Communications	1
	Semester Credit Hour Total	18
	Total Credit Hours	72



“

I checked out a couple other schools, but I felt that Triangle Tech had a better program than the others.”

Kevin Checketts

Graduate

Electrician

*R.G. Behers Electrical Service
Electrical contractor*

Course prerequisites are shown with course descriptions.

For more information about our graduation rates, the median debt of students, who completed the program, and other important information, please visit our website at, www.triangle-tech.edu/ConsumerInformation.

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