

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 & 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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| | | | | | | |
|------|--|------------|-----------------|-------|---|------------|
| 400 | Blueprint Reading | | 1 st | ME112 | Residential Construction, Circuit Design & Electrical Floor Plans | 8 |
| | 401 Identify types of blueprint plans | 10 | | | | |
| | 402 Identify blueprint symbols | 10 | | | | |
| | 403 Interpret blueprint plans | 15 | | | | |
| | 405 Develop electrical details on a residential blueprint | 20 | | | | |
| | 406 Use a measuring tool to scale | 10 | | | | |
| 600 | Residential Cabling Technology | | | | | |
| | 601 Install non-metallic (NM) Cable for connection to an electrical device | 60 | | | | |
| | 602 Install metal-clad cable (MC) | 40 | | | | |
| 700 | Switches and Receptacles Circuits | | | | | |
| | 701 Install a duplex receptacle | 10 | | | | |
| | 702 Install a single pole switch | 10 | | | | |
| | 703 Install a 3-way switch | 10 | | | | |
| | 704 Install a 4-way switch | 5 | | | | |
| | 705 Install a split-wired duplex receptacle | 5 | | | | |
| | 706 Install a Ground Fault Circuit Interrupter (GFCI) Receptacle | 10 | | | | |
| | 707 Install an Arc-Fault Circuit Interrupter (AFCI) | 10 | | | | |
| | 708 Install a time control switch | 5 | | | | |
| | 709 Install a range receptacle | 5 | | | | |
| | 710 Install a dryer receptacle | 5 | | | | |
| 800 | Fixtures | | | | | |
| | 801 Install surface-mounted lighting fixture | 20 | | | | |
| | 802 Install recessed lighting fixture | 15 | | | | |
| | 804 Install LED lighting | 20 | | | | |
| 1000 | Wired Devices | | | | | |
| | 1001 Install a hard wired smoke detector | 10 | | | | |
| | 1002 Install door-bell system | 15 | | | | |
| | 1003 Trim out electrical devices | 15 | | | | |
| | 1004 Install an occupancy sensor | 10 | | | | |
| | 1005 Install a photocell | 10 | | | | |
| 1300 | National Electrical Code | | | | | |
| | 1301 Identify the purpose of the National Electrical Code (NEC) | 5 | | | | |
| | 1302 Use Chapter 9 Tables | 10 | | | | |
| | 1303 Use the NEC as a reference to questions and competencies that students perform for all electrical installations | 33 | | | | |
| | 1304 Identify the publisher of the National Electrical Code (NEC) | 5 | | | | |
| | 1305 Identify the code cycle of the National Electrical Code (NEC) | 5 | | | | |
| | 1306 Identify NFPA70E (Arc Flash) | 20 | | | | |
| | Total Related Class Hours | 433 | | | | |
| | Total Hours | 670 | | | Total Semester Credits | 9.0 |

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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 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.)
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

Date: 9-27-23

Print Name: Timothy J. McMahon

Title: President

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

Date: 9-13-23

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Print Name: _____

Title: _____