

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

46.9999 Construction Trades

Triangle Tech

Carpentry and Construction Technology

Course Number	Course Name	Hours	Semester	Course Number	Course Name	Semester Credits
800	Floor Framing		1 st	CP113	Floor Framing	2.0
	801 Identify and estimate different types of framing materials and systems	5				
	802 Install girders and sills	6				
	803 Perform layout of floor joists and openings	10				
	804 Install various floor joists and band joists	15				
	805 Install various types of bridging	11				
	806 Install various types of columns and supports	7				
	807 Install various types of subfloor materials	11				
	Total Related Class Hours	65				
900	Wall Framing		1 st	CP114	Wall Framing	3.0
	900.901 Install various components of interior and exterior walls	25				
	900.902 Install various ceiling systems	20				
	900.903 Install various steel framing components	25				
	900.904 Identify and estimate different types of framing materials and systems	18				
	Total Related Class Hours	88				
100	Construction Trades Safety		2 nd	CP123	Introduction to Masonry	2.0
	114 Follow concrete and masonry safety procedures	2				
700	Block and Brick Masonry					
	701 Describe the most common types of masonry units	5				
	702 Identify concrete block by size and type	3				
	703 Estimate masonry units needed for block construction	10				
	704 Use masonry cutting techniques	3				
	705 Lay out and construct a block laying project	25				
	706 Perform various masonry positions and bonds	10				
	707 Lay block to a line	12				
	708 Install masonry fasteners	3				
	710 Mix mortar to proper proportions and consistency	3				
	711 Compare mortar types and applications	2				
	712 Perform proper brick and block laying techniques	12				
	713 Install block or brick walls	12				
	Total Related Class Hours	102				
1100	Roof Coverings		3 rd	CP235	Exterior Finish	3.0
	1101 Install various types of asphalt shingles	18				
	1102 Install various types of underlayment materials	10				

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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) *Timothy J. McMahon*
Authorized Signature - Triangle Tech

Date: 1-23-21

Print Name: TIMOTHY J. McMahon

Title: PRESIDENT

(1) *Cynthia A Shaw*
Authorized Signature - Fayette County Career and Technology Institute

Date: 1-26-21

Print Name: Cynthia A Shaw

Title: Executive Director

Carpentry 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 classroom theory and laboratory experiments related to the carpentry and construction industry.

Emphasis has been placed on residential and light commercial construction techniques inclusive of each stage of building construction from site layout, foundations, form work, and framing through interior and exterior finishing techniques.

The primary objective is to prepare a student for employment as an entry-level carpentry and construction technician, working in residential or light commercial construction, with an emphasis placed on the mechanical and problem solving skills necessary to take an active role in modern construction processes.

Laboratory work, field investigation, videotapes, film strips, slides, reference books, examinations and prepared tests are utilized to assist the student in the learning process.

PROSPECTIVE STUDENTS

Prospective students should have an interest in residential housing and commercial construction and design. Students are required to be in good health and enjoy working in the out-of-doors. Students should possess good eye and hand coordination along with the stamina needed to lift and work physically. Students should also have good reading and mathematical abilities.



No one trains you like **TRIANGLE
TECH**

Carpentry and Construction Technology

COURSE NO.	COURSE	SEMESTER CREDIT HOURS
1ST SEMESTER		
CP110	Construction Trades and Tool Safety	4.5
CP111	Blueprint Reading -Construction Drawings	2
CP112	Excavation and Sitework	2
CP113	Floor Framing	2
CP114	Wall Framing	3
TR110	Technical Mathematics/Algebra	4.5
	Semester Credit Hour Total	18
2ND SEMESTER		
CP120	Communications Skills for the Construction Industry	2
CP124	Essentials of Roof Framing	3.5
CP122	Interior Walls and Trim	7
CP123	Introduction to Masonry	2
TR121	Geometry	2
TR124	Introduction to Computers	1.5
	Semester Credit Hour Total	18
3RD SEMESTER		
CP230	Commercial Blueprints	2
CP231	Advanced Roof Framing	4
CP232	Residential Masonry	4
CP233	Principles of Stair Construction	2
CP234	Kitchen Design and Cabinet Installation	3
CP235	Exterior Finish	3
	Semester Credit Hour Total	18
4TH SEMESTER		
CP240	Construction Cost Estimating	3
CP241	Concrete Forms and Placement	2
CP242	Related Trades and Remodeling	5
CP243	Cabinet and Joinery Construction Techniques	4
CP244	Construction Contracts	2
CP245	Introduction to Project Management and Supervision	1
TR240	Job Communications	1
	Semester Credit Hour Total	18
	Total Credit Hours	72



“
At Triangle Tech, I learned estimating, reading blueprints, and bidding jobs... that's an advantage over lots of people in the field.”

Doug Webster
Graduate
Carpenter
Mistik, Inc.

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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