HVAC
COURSES | CREDENTIALS | CREDITS

SUBJECT CODES: REQUIRED COURSES

CODE	DESCRIPTION	OHE	CTAG
178012	Heating Cooling Systems	--
178000	Construction Tech	--
178013	HVAC Refrigeration	--
178014	Sheet Metal	--
	TOTAL CTAGs	**0**

INDUSTRY- RECOGNIZED CREDENTIALS (IRC) OPPORTUNITIES

CREDENTIAL	VENDOR/PROVIDER	IRC POINTS
Refrigerant Recovery Universal	Environmental Protection Agency (EPA)	12
Refrigerant Recovery Core + Level 1	Environmental Protection Agency (EPA)	12
Refrigerant Recovery Core + Level 2	Environmental Protection Agency (EPA)	12
Refrigerant Recovery Core + Level 3	Environmental Protection Agency (EPA)	12
OSHA 30 - HR	CareerSafe	3
CPR and First Aid	MCCC	1
Pre-Apprenticeship	ApprenticeOhio	12
	TOTAL IRC POINTS	**64**

TRANSCRIPTED IN-STATE TRANSFERABLE CREDIT OPPORTUNITIES

COLLEGE/UNIVERSITY	COURSES	POTENTIAL CREDITS
Cuyahoga Community College	Mechanical/Electrical Print Reading	2
Cuyahoga Community College	Applied Electricity I	3
Cuyahoga Community College	Applied Electricity II	3

ARTICULATION AGREEMENTS

COLLEGE/UNIVERSITY	DEGREE	POTENTIAL CREDITS
University of Akron	Associate of Technical Studies	30

Subject Codes: Required Courses
The Ohio Department of Education and Workforce requires courses to be taught within the career-technical program.

Industry-Recognized Credential (IRC) Opportunities
Each approved Ohio Department of Education and Workforce industry-recognized credential has been assigned a point value based on employer demand and other factors, allowing students the opportunity to bundle credentials for graduation. Career-technical education credentials primarily reflect education, industry licenses, certificates, and postsecondary degrees**.**

Transcripted In-State Transferable Credit / CTAGs
Alignment between secondary and postsecondary career-technical education content. Earned college credits are transferable to Ohio public higher education institutions (OHE).

Articulation/Bilateral Agreements and Opportunities
A partnership between institutions (MCCC and colleges/universities) to recognize credits that will be accepted when a student enrolls in a college or university to pursue a specific degree program.

CTAGS (CAREER TECHNICAL ASSURANCE GUIDES)

CTAG transferable credits are earned through career technical WebXam assessments (See SUBJECT CODES: REQUIRED COURSES on the first page) and are alignments between secondary (high school) and postsecondary (e.g., college) institutions. The postsecondary institution retrieves and verifies data if the students check the box on their WebXam(s) giving consent. Support for acquiring CTAGs varies at postsecondary institutions. Students should notify the postsecondary institutions of their available CTAG transferable credits.

STEP 1: Pass MCCC Career Major WebXam(s) and ensure the box at the end of the exam is checked, allowing Ohio institutions to obtain score(s).

STEP 2: Contact the postsecondary counselor and inform them of the CTAG transferable credits in the following areas:

Coming Soon!

STEP 3: Notify the postsecondary Registrar's office, Tech Prep office, or department chair as applicable.

ARTICULATION AGREEMENTS

Articulation agreements are partnerships between institutions (MCCC and colleges/universities) to recognize credits that will be accepted when a student enrolls in a college or university to pursue a specific degree program. Articulation agreements are non-transferable.

STEP 1: Complete the articulated credit application (See ARTICULATION AGREEMENTS links on the first page) and submit an application to the MCCC instructor. If a link is unavailable, please contact the MCCC instructor or the Career Services Coordinator.

STEP 2: Contact the postsecondary counselor and inform them of the postsecondary credit earned through the articulated agreement.

STEP 3: Notify the postsecondary Registrar's office, Tech Prep office, or department chair as applicable.