



## PRECISION MACHINING TECHNOLOGY

COURSES | CREDENTIALS | CREDITS

### SUBJECT CODES: REQUIRED COURSES

CODE	DESCRIPTION	OHE   CTAG
176004	Machine Tools	--
176007	Computer Numerical Control Technology with Industrial Mills and Lathes	1
176005	Machining with Industrial Lathes	--
176006	Machining with Industrial Milling Machines	--
<b>TOTAL CTAGS</b>		<b>1</b>

### INDUSTRY- RECOGNIZED CREDENTIALS (IRC) OPPORTUNITIES

CREDENTIAL	VENDOR/PROVIDER	IRC POINTS
Machining Level 1	<a href="#">NIMS</a>	6
CNC Mill Operator	Haas	4
CNC Lathe Operator	Haas	4
OSHA	<a href="#">CareerSafe</a>	1
CPR First Aid	MCCC	1
Pre-Apprenticeship	<a href="#">Ohio Department of Education</a>	12
<b>TOTAL IRC POINTS</b>		<b>28</b>

### TRANSCRIPTED IN-STATE TRANSFERABLE CREDIT OPPORTUNITIES

COLLEGE/UNIVERSITY	COURSES	POTENTIAL CREDITS
<a href="#">Cuyahoga Community College</a>	Manufacturing Skills I	3
<a href="#">Cuyahoga Community College</a>	Manufacturing Skills II	2
<a href="#">Cuyahoga Community College</a>	Machine Tool Theory	4
<a href="#">Cuyahoga Community College</a>	Field Experience	2
OHE   CTAG	Computer Numerical Control Technology with Industrial Mills and Lathes	3

### ARTICULATION AGREEMENTS

COLLEGE/UNIVERSITY	DEGREE/COURSES	POTENTIAL CREDITS
<a href="#">University of Akron</a>	Associate of Technical Studies	13
<a href="#">Kent State University</a>	Associate of Applied Science	3

#### **Subject Codes: Required Courses**

Ohio Department of Education required courses taught within the career-technical program.

#### **Industry-Recognized Credential (IRC) Opportunities**

Each Ohio Department of Education approved industry-recognized credential has been assessed a point value based on employer demand and other factors to allow students the opportunity to bundle credentials for graduation. Career-technical education credentials primarily reflect education, industry licenses, industry 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 institutions of higher education (OHE).

#### **Articulation/Bilateral Agreements and Opportunities**

A partnership between institutions (MCCC and colleges/universities) to recognize credits which will be accepted when a student enrolls into a college or university to pursue a specific degree program.



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### 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 postsecondary counselor and inform them of the CTAG transferable credits in the following areas:

176007    **Computer Numerical Control Technology with Industrial Mills and Lathes**

**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 which will be accepted when a student enrolls into a college or university to pursue a specific degree program. Articulation agreements are non-transferable.

**STEP 1:** Complete articulated credit application (See ARTICULATION AGREEMENTS links on first page) and submit application to MCCC instructor. If a link is not available, please contact MCCC instructor or Real-World Learning Coordinator.

**STEP 2:** Contact 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.