ENGINEERING TECHNOLOGY & DESIGN
COURSES | CREDENTIALS | CREDITS

SUBJECT CODES: REQUIRED COURSES

CODE	DESCRIPTION	OHE | CTAG
175001	Engineering Design	1
175006	Computer Integrated Manufacturing	1
178019	Plan Reading	1
175002	Engineering Principles	1
175009	Engineering Capstone	--
	TOTAL CTAGs	**4**

INDUSTRY- RECOGNIZED CREDENTIALS (IRC) OPPORTUNITIES

CREDENTIAL	VENDOR/PROVIDER	IRC POINTS
KUKA KORE Robot Programming and Operation	KUKA	6
Autodesk AutoCAD User	Certiport	4
Autodesk Inventor User	Certiport	4
Autodesk Revit User	Certiport	4
OSHA	CareerSafe	1
CPR First Aid	MCCC	1
Pre-Apprenticeship	Ohio Department of Education	12
	TOTAL IRC POINTS	**32**

TRANSCRIPTED IN-STATE TRANSFERABLE CREDIT OPPORTUNITIES

COLLEGE/UNIVERSITY	COURSES	POTENTIAL CREDITS
Cuyahoga Community College	Introduction to Robotics	2
Cuyahoga Community College	Basic Robotics with Math	2
OHE | CTAG	Engineering Design	3
OHE | CTAG	Computer Integrated Manufacturing	3
OHE | CTAG	Plan Reading	3
OHE | CTAG	Engineering Principles	3

ARTICULATION AGREEMENTS

COLLEGE/UNIVERSITY	DEGREE/COURSE	POTENTIAL CREDITS
University of Akron	Associate of Technical Studies	15

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 degree**s.**

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.

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:

175001	**Engineering Design**
175006	**Computer Integrated Manufacturing**
178019	**Plan Reading**
175002	**Engineering Principles**

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.