

Articulation and Transfer Credit at Cuyahoga Community College

Gary Romes, Tech Prep Coordinator

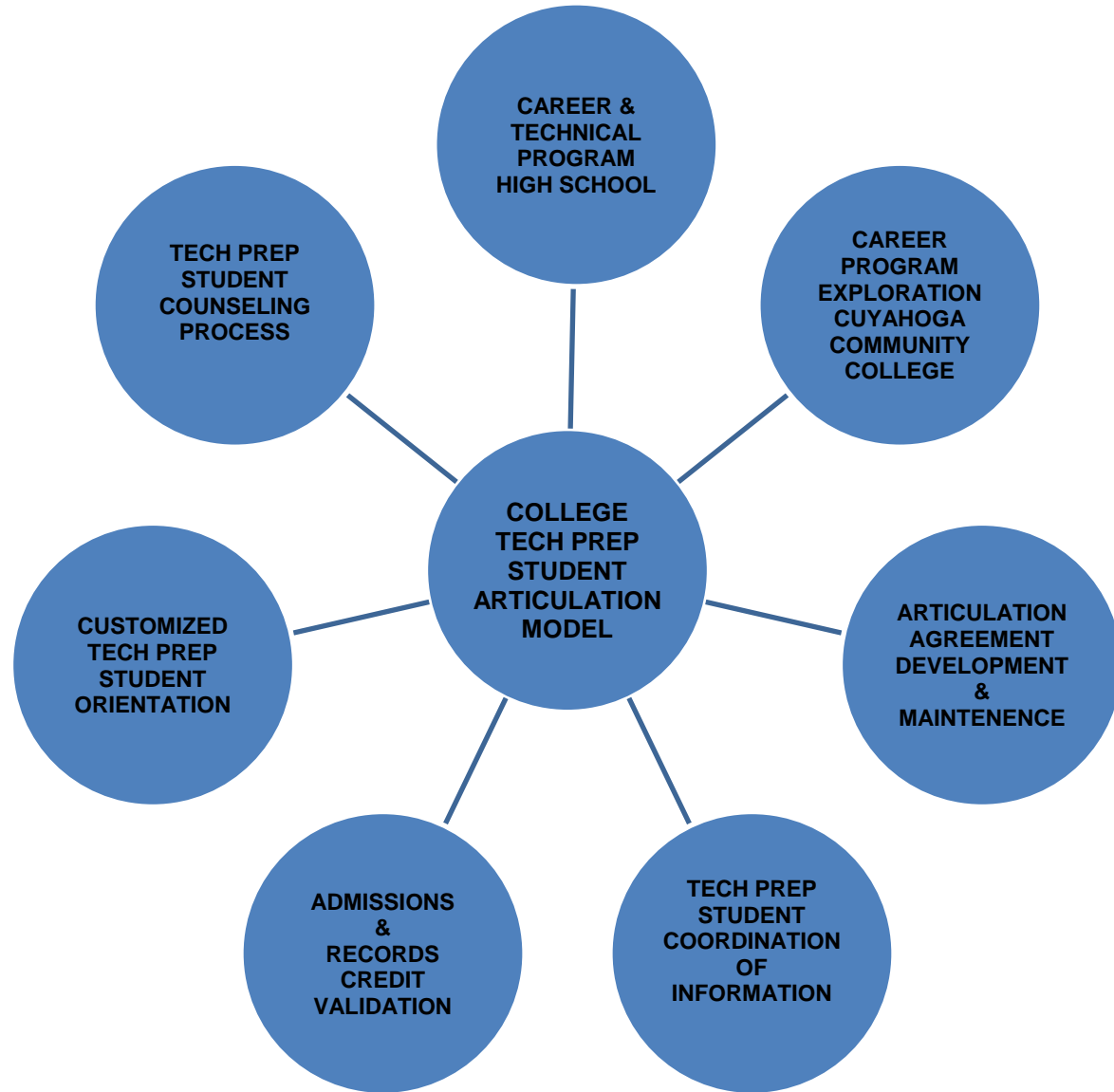
Rebecca Wyatt, Tech Prep Transition Coordinator

Dick Arndt, District Director of Transfer and Alternative Credit

Lezlie Obers, Coordinator of Transfer and Alternative Credit



Tech Prep Model



High School Career & Technical Programs

- Identified Tech Prep Programs
- Requirements for program completers to receive college credit
 - 3.0 GPA Tech Prep Program
 - 2.0 Overall GPA grades 9-12
 - Completion of Algebra II
 - 95% Attendance
- College courses while in High School
- Aligned High School to college courses



Tech Prep Programs

- Automotive Technology
- Business Technologies
- Construction Technology
- Engineering Technologies
 - CAD
 - Electronics
 - Manufacturing
- Health Technologies
- Horticulture
- Information Technology
 - Graphic Imaging/Printing
 - Information Support & Service
 - Interactive Media/Digital Design
 - Network Systems
 - Programming & Software Development
- Public Safety and Law
 - Criminal Science
 - Firefighter
 - EMT



Consortium Schools



Bedford
Cleveland Metropolitan School District
Cuyahoga Valley Career Center
East Cleveland
Mayfield Excel TECC
Maple Heights
Medina County Career Center
Parma City Schools
Polaris Career Center
Tri-Heights
West Shore

Career Program Exploration

- College Tech Prep Career Exploration Programs
- College Professors visiting High School Tech Prep Programs
- Career Exploration at Cuyahoga Community College



Development & Maintenance of Articulation Agreements

- Articulation Process
State Career Field Standards Documents
- Curriculum Reviewed Every Other Year
- Agreements Reviewed Annually
- Agreement Maintenance
January 1st, effective date



High School Review and Processing of Articulation Agreements

Articulation Process:

- Signed Agreement
- Student Authorization Release Letter
- High School Transcript
- Tech Prep Coordinator approves articulation credit and transmits to College
- Student is eligible to receive articulated Credit for up to 2 years after high school graduation



Types of Tech Prep Credit

- Articulated Credit
- Bridge Course Credit
- Certification Credit
- Career Technical Transfer Credit (CT2)
- Bilateral credit



College Review and Processing of Articulation Agreements

- Admissions & Records verifies student has satisfied the following criteria:
 - Application on file
 - High School transcript with graduation date
 - Tech Prep coursework completed
 - GPA requirements
 - Additional Tech Prep credit with earned Certifications
 - Comparable credit – 30 credit hours max (Includes Tech Prep)

- Coding in BANNER for data collection

- Send Letter acknowledging award of credit or credit denial



Unofficial Educational Record

Cuyahoga
Community
College



Unofficial Educational Record

As of July 20-2009

Transfer Course History

Term	Subject	Course	Title	Transfer Institution	Grade	Credit Hrs
200450	EET	1001	Introduction to PC Maintenance	Tech Prep Credit	TPC	3
200450	EET	1021	Operating System Technology I	Tech Prep Credit	TPC	3
200450	EET	1031	Operating System Technology II	Tech Prep Credit	TPC	3
200450	EET	1051	PC Servicing & Troubleshooting	Tech Prep Credit	TPC	3
200450	EET	1300	Cisco I: LAN Design	Tech Prep Credit	TPC	2
200450	EET	1310	Cisco II: Basic Router Config.	Tech Prep Credit	TPC	2
200450	EET	2300	Cisco III: LAN Management	Tech Prep Credit	TPC	2
200450	EET	2310	Cisco IV: WAN Management	Tech Prep Credit	TPC	2
200450	IT	1030	Internet Fundamentals	Tech Prep Credit	TPC	2
200450	IT	1040	Microcomputer Operating Sys.	Tech Prep Credit	TPC	3
200450	ITNT	2300	Networking Fundamentals	Tech Prep Credit	TPC	3
200450	ITNT	2310	TCP/IP	Tech Prep Credit	TPC	3
200550	MATH	1200	Intermediate Algebra	Tech Prep Credit	TPC	4

The History Lesson

From 1994 until 2008, there were no Statewide College Tech Prep to college articulation agreements.

All articulation occurred as bi-lateral agreements-

- One consortium and one college decided what course(s) would transfer and apply to what degree.
- Many institutions would not give direct credit for courses, but area credit was given, i.e., free electives.



History (cont.)

Limited Articulated Programs, primarily four program areas:

- Business
- Engineering
- Health
- Computer Science



History (cont.)

Bi-lateral agreements were forged to articulate 1 to 4 classes, in general:

- Many classes were taught on college campuses
- Most classes taught in career centers
- Some taught in local high schools



History (cont.)

Tech Prep was talked about as “College” equivalent, but College Tech Prep was proving itself as true college preparatory class work.

Often the Tech Prep class completers were required to provide “evidence” of learning-successfully completing the course final exam interview with faculty



Bi-laterals Today

Statewide articulation has augmented the prior bi-lateral agreement process

- Bi-lateral agreements are used to expand the statewide agreement local institutions grant credit for courses that exceed state requirements- often TAG Courses Bi-lateral agreements may exceed, but be less than statewide agreements



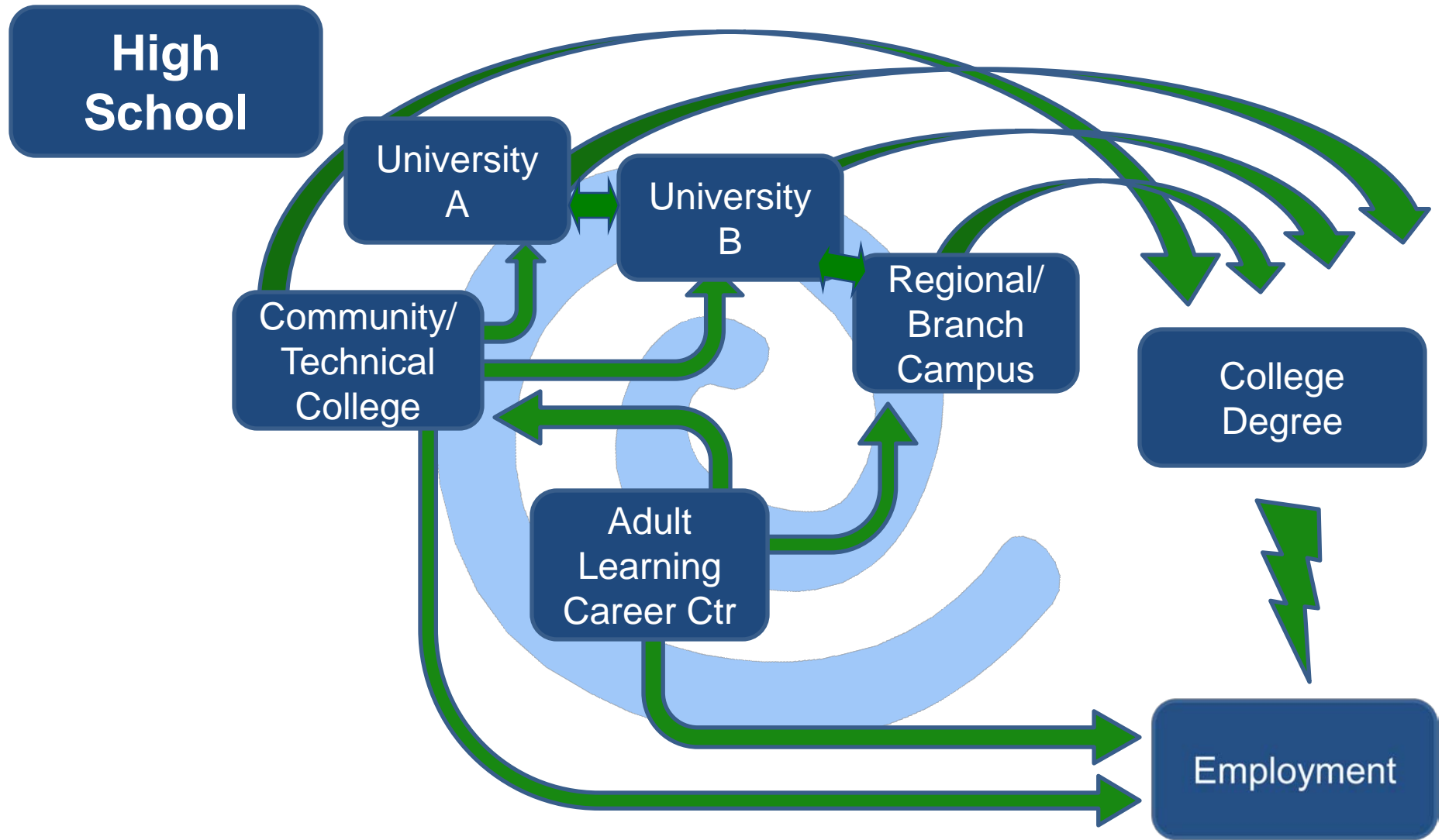
Tri-C Bi-Lateral Agreements

Local institutions create bi-lateral agreements with consortia which match post secondary curriculum

- Polaris Career Center - Park Ranger
- Parma City Schools - Marketing Technology
- Cuyahoga Valley Career -Fire Technology, Law Enforcement
- Cleveland Municipal School District- EMT



Pathways Beyond High School



Ohio's Commitment to Articulation and Transfer

- 1990 – Ohio Articulation & Transfer Policy – Ohio Transfer Module
- 2003 – H.B. 95 – Transfer Assurance Guides (TAGS)
- 2005 – H.B. 66 - Career-Technical Credit Transfer (CT²)
- 2007 – University System of Ohio



Career-Technical Credit Transfer (CT²)

Builds upon and extends articulation and transfer initiatives by:

- Recognizing equivalent technical content within the public educational system – high school, adult, and 2-year and 4-year institutions
- Describing knowledge/skills based on recognized industry standards
- Supporting progression/pathway from secondary and adult career-technical programs to public institutions of higher education



Major Benefits of CT²

- More secondary and adult career-technical students will go to college
- More will enter with college credit
- Time to degree completion will be decreased, thus saving money and time
- Business and industry will benefit from a workforce with advanced skills



Cuyahoga Community College
CT² Statewide Course Guarantees

Student Requirements	Credit Hours	CTAGS	CTAN	CTAN	CTAN	CTAN	CTAN				
End of program assessment or industry certification + NATEF/ASE approved program	Once approved as a CT course, students will be given what the receiving institution is offering as credit for the approved course.	Automotive Technologies	CTAU001 Brakes AUTO1450 (3) Automotive Braking	CTAU002 Electrical AUTO 1501 (3) Automotive Electrical Fundamentals	CTAU003 Engine AUTO 2400 (3) Engine Performance	CTAU004 Suspension/Steering AUTO 1400 (3) Automotive Alignment Steering & Suspension					
End of program assessment or industry certification		IT – Networking	CTITN001 Basic IT 1010 (3) Introduction to Microcomputers	CTITN002 Networking ITNT 2300 (3) Network Fundamentals	CTITN003 Cisco EET 1300 (2) Cisco I: LAN Design <i>and</i> EET 1310 (2) Cisco II : Basic Router Configuration <i>and</i> EET 2300 (2) Cisco III LAN Management <i>and</i> EET 2310 (2) Cisco IV WAN Management	CTITN004 Microsoft ITNT 2320(3) NETWORK ADMINISTRATION I <i>or</i> ITNT 2420 (3) NETWORK ADMINISTRATION II	CTITN005 CompTIA EET 1001 (3) Introduction to PC Maintenance <i>Or</i> ITNT 2300 (3)Network Fundamentals <i>Or</i> ITNT 2370 (3) Network Security Fundamentals				
End of program assessment or industry certification		Mechanical Engineering Technology	CTMET004 Manufac. Processes MET 1240 (3) Machine Tools & Manufacturing Processes	CTMET005 CADD MET 2040 (3) Advanced AutoCAD							
End of program assessment or industry certification		Electrical Engineering Technology	CTEET001 DC Circuits EET 1110 (3) DC Electric Circuits	CTEET002 Digital Electronics EET 1240 (3) Digital Circuits/Microprocessors I <i>and</i> EET 2140 (3) Digital Circuits/Micro processors II	CTEET003 Programmable Logic Controls EET 2520 (3)Programmable Logic Controllers						
CMA-AAMA or RMA-AMT + ODR Approved M.A. Program		Medical Assisting	CTMAT004 Basic Administrative Functions MA 1501 (3) Medical Office Communications	CTMA005 Bookkeeping Functions MA 2511(3) Medical Office Procedures	CTMAT006 Process Insurance Claims HIM 1118 (1) Reimbursement for Physician Services	CTMAT008 Fundamental Procedures MA 2860 (2) Medical Assisting Practicum	CTMAT009 Specimen Collection MA 1320 (3) Office Laboratory Procedures	CTMAT010 Diagnostic Testing MA 1400 (2) BASIC CLINICAL MEDICAL ASSISTING	CTMAT011 Patient Care MA 2411 (3) Advanced Clinical Medical Assisting		
ONAM Transition course + LPN + ODE approved P.N. program and/or Ohio Board of Nursing approved P.N. Program		Nursing	CTNUR001 PNUR 1310 (4) Fundamentals of Nursing and PNUR 1320 (4) Nursing Management of Adults I and PNUR 1330 (8) Nursing Manag. of Adults II and PNUR 1340 (4) Nursing Care of Families	CTNUR001 NURS 1300 (2)Health Assessment <i>and</i> NURS 1450 (8) Self-Care Needs: Adult Life Span <i>and</i> NURS 1600 (8) Health Deviations I							
Appropriate Ohio EMT certification		EMT	CTEMTB002 Basic EMT 1301 (7) Emergency Medical Technician – Basic	CTEMTI003 Intermediate Curriculum Revision Needed	CTEMTP004 Paramedic EMT 1310(1)Cardiopulmonary Resuscitation, EMT 1400 (4) Paramedic Success, and EMT 2330 (96)Paramedic Theory I	CTFR001 First Responder Curriculum Revision Needed					
Appropriate Ohio certification		Fire Fighter	CTFFI002 Fire Fighter I FIRE 1000 and EMT 1320	CTFFI003 Fire Fighter II FIRE 1000, FIRE 2320, EMT 1310, EMT 1320 & EMT 1330	CTVFF001 Volunteer Fire Fighter						

Green = OBOR Approved **Yellow** = Course submitted and under review **Brown** = Faculty working on submission **Light Red** = Curriculum revision needed

2006-2009 Technical Areas

- Automotive Technology
- Electrical Engineering Technology
- Information Technology-Networking
- Mechanical Engineering Technology
- Medical Assisting
- Practical Nursing to Pre-licensure Associate Degree Nursing
- First Responder
- Emergency Medical Technician – Basic
- Emergency Medical Technical – Intermediate
- Emergency Medical Technician – Paramedic
- Volunteer Firefighter
- Firefighter I
- Firefighter II



Technical Areas in Development

- Culinary/Restaurant Management
- Heating/Ventilation/Air Conditioning and Refrigeration
- Construction Technologies
- Ohio Peace Officer Basic Training
- Information Technology – Information Support and Services



CT² Five-Step Process

1. **Define** learning outcomes based on recognized industry standards
1. **Agree** on learning outcomes
2. **Match** course/program to learning outcomes.
3. **Submit** course/program materials based on learning outcomes
4. **Review** course/program materials for equivalency



Concepts To Understand

- Learning Outcomes
- Career-Technical Assurance Guide
(CTAG)
- Career-Technical Articulation Number
(CTAN)



Learning Outcomes

- Established by faculty panels
- Based on recognized industry standards such as credentialing & licensing examinations



CTAG

Career Technical Assurance Guide (CTAG)

- An overview of equivalent content and learning outcomes that serves as an advising tool
- Identify the CTANS that are part of the statewide course guarantee offered by the career-technical initiative.
- Describes other conditions or obligations (e.g. program accreditation or industry credential) associated with the guarantee
- Facilitates transfer of non-credit content to credit courses.



CTAN

Career Technical Articulation Number (CTAN)

- Consists of learning outcomes representing knowledge and skill in a technical area needed to transition from career-technical education to public institutions of higher education
- Each CTAN is assigned an identifying number in the CTAG
- Tool for submission of institution's course information providing a common numbering system for course mapping



CTAG Example



Automotive CTAG

Brakes	CTAU001	Students will be given what the receiving institution is offering as credit for the approved course	NATEF end of program assessment or ASE certification + NATEF/ASE approved program
Electrical	CTAU002		
Engine	CTAU003		
Suspension/ Steering	CTAU004		

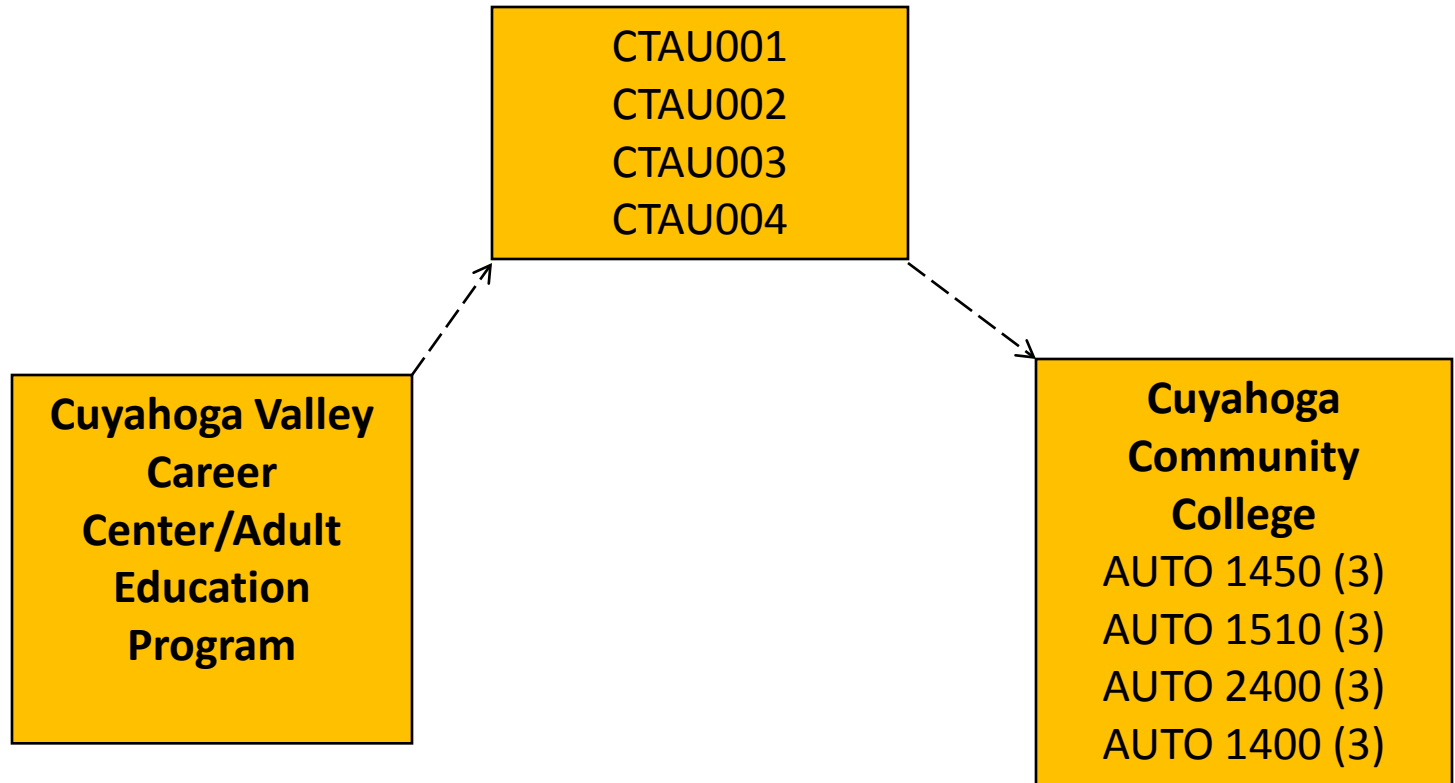
CTAG Example

Emergency Medical Technician CTAG

First Responder	CTFR001	Students will be given what the receiving institution is offering as credit for the approved course	A current Ohio first Responder , EMT-B, EMT-I or EMT-P certificate + Completion of a state accredited public FR, EMT(B)(I)(P) program
EMT- Basic	CSTEMTB002		
EMT- Intermediate	CSTEMTI003		
EMT- Paramedic	CSTEMTP004		



How the CTAG Process Works



The student is **GUARANTEED** to be awarded college credit for the course work he completed at the career center if both parties have programs approved.

Movement is unilateral from the career-technical institutions to two-and four-year colleges and universities

How the CTAG Process Works



CTAU001
CTAU002
CTAU003
CTAU004

ABC Career Center
Non Credit Program
No courses
submitted

**Cuyahoga
Community College**
AUTO 1450 (3)
AUTO 1510 (3)
AUTO 2400 (3)
AUTO 1400 (3)

NO CREDIT CAN BE GRANTED.

PEOPLE

- CT2 Contacts and Coordinators
Representatives from public higher education and CTAE institutions serve as primary liaisons between institutions and the Regents
- Review Panel Members
Faculty and teachers from public institutions of higher education and CTAE institutions review technical courses and submitted programs
- Validation Center Coordinators
Faculty members from the five Validation Centers manage and coordinate activities



Course Approval Process

- Validation Center Coordinator reviews course to make sure all sections are complete.
- Special attention is paid to the learning outcomes.
- If all looks good, the course is forwarded to faculty review panel.
- If approved by panel, Validation Center Coordinator sends to OBOR for publication.
- If not approved, it is returned to campus coordinator with explanation of what is needed.



Course Equivalency Management System CEMS

CEMS is a Web-based tool that supports course/program submission, review and posting of equivalent course/programs



OHIO BOARD OF REGENTS

Program Equivalency Management System / Transfer Course Management System



- You have entered a State of Ohio -- Board of Regents private network. All network traffic is monitored in order to identify unauthorized attempts to upload or change information, or otherwise cause damage or conduct criminal activity.
- To protect the system from unauthorized use and to ensure that the system is functioning properly, individuals using the Ohio Board of Regents Network are subject to having all of their activities monitored and recorded by personnel authorized to do so by Ohio Board of Regents for the State of Ohio.
- Anyone using this system expressly consents to such monitoring and is advised that if such monitoring reveals evidence of possible abuse or criminal activity, system personnel may provide the results of such monitoring to appropriate officials. Unauthorized attempts to upload or change information, or otherwise cause damage to this service, are strictly prohibited and may be punishable under applicable State and Federal law. You agree to adhere to the Ohio Board of Regents Acceptable Use Policy.

To access this site, please review the Articulation and Transfer Clearinghouse Data Access and Security Policy of September 13, 2007 and complete a Campus User Authorization Form. The form should be sent to the addressee on the form itself. Click on [Policy](#) for the policy document and on [Form](#) for the authorization form.

Ultimate Goal of CT²

Receive technical course credit at a public institution of higher education



How to Contact us

Cuyahoga Community College
11000 Pleasant Valley Rd
Parma, Ohio 44130

Tech Prep Main Office (216) 987-4987 www.techprep4u.com

Dr. Gary Romes (216) 987-5387 Gary.Romes@tri-c.edu

Rebecca Wyatt (216) 987-5626 Rebecca.Wyatt@tri-c.edu

Transfer and Alternative Credit

<http://www.tri-c.edu/welcome/transfer/Pages/TransfertoTri-C.aspx>

Dr. Charles Arndt (216) 987-5093 Charles.Arndt@tri-c.edu

Lezlie Obers (216) 987-5194 Lezlie.obers@tri-c.edu

