

## Mission

To support, promote and expand student access to quality career-technical education pathways by connecting secondary and postsecondary partners and leading the development of state-approved Programs of Study.

## Tech Prep in Ohio

Ohio launched the “Ohio College Tech Prep” program in 1991. Jointly administered by the Ohio Department of Education and The Ohio Department of Higher Education, Tech Prep was funded through a combination of federal, state and some local fund support. Since the beginning, Tech Prep has represented a seamless high school-to-college pathway that blends high-level academics with hands-on career-technical education.

Ohio has invested significantly in this concept and diligently worked to brand Tech Prep in Ohio on a national level. Although federal funding was eliminated in FY 2011, the state remained committed to quality programming. In FY 2013, the state made another substantial commitment to Tech Prep – by requiring all non-Tech Prep career-technical education programs to transition to the high-quality College Tech Prep program standards. As a result, all career-technical education programs are synonymous with Tech Prep programs in Ohio.

Today, the Tech Prep model is coordinated through six Regional Centers that serve as the liaison between secondary and post-secondary partners within 91 career-technical education planning districts (CTPDs), 23 community colleges and 14 universities.

Impacting 100 percent of all career-technical education students annually – 22 percent of all high school students – the services provided through the Regional Centers focus on five goals:

1. Connect secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
2. Provide secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements where credit transfer guarantee options do not exist, or pathways into adult-focused CTE clock hour programs.
3. Ensure students are aware and take advantage of postsecondary credit options.
4. Assist school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.
5. Develop exemplary Programs of Study and process program approval and program renewal applications.



## Vision

To provide high-level support services to Ohio's 91 career-technical education planning districts, 23 community colleges and 14 universities, impacting all career-technical education students in the state.

## Legislation

**200545** - \$2,838,281 to fund competitive grants to Tech Prep consortia that expand the number of students enrolled in Tech Prep programs and to directly support expanded Tech Prep programs for students enrolled in school districts, including joint vocational districts and affiliated higher education institutions.

**200425** - \$260,542 to support state-level activities designed to support, promote and expand Tech Prep programs. Use of these funds shall include, but not be limited to, administration of grants, program evaluation, professional development, curriculum development, assessment development, program promotion, communications and statewide coordination of Tech Prep consortia.

## Programs of Study & Bilateral Articulation Agreements

In FY17, the Regional Centers assisted secondary schools to complete 967 career-technical education program approval applications in three state-designated career fields and several other optional career fields. The Regional Centers also created or renewed 1,382 agreements with colleges so that students can earn college credit while in high school. The following chart reflects that work.

Career Field	CTE-26/POSS Completed	Local Articulation Agreements (AA) Created or Renewed	Average Number of Credits Available on AA
Arts and Communication	160	194	10.1
Government	0	0	0
Hospitality	139	120	7.1
Human Services	122	169	12.8
Transportation	127	148	9.7
Other Career Fields (not required)*	419	751	8.24
<b>FY17 Total</b>	<b>967</b>	<b>1,382</b>	<b>8.77</b>

\*Other career fields include: Agricultural & Environmental Systems; Business Administration; Career-Based Intervention; Construction Technologies; Education & Training; Engineering and Science Technologies; Finance; Health Science; Information Technology; Law & Public Safety; Manufacturing; Marketing; Manufacturing Technology; Government and Public Administration; Industry Credential

## Partnership Highlights

There are many great partnerships among school districts, universities, colleges, adult career centers and businesses throughout the state. The following are exemplars created or strengthened in FY 2017, highlighting opportunities for students to access college credit while in high school.

**Central**—The Central Ohio Technical College Consultant participated in a series of leadership activities at 2017 ACTE National. With this heightened understanding of the national perspective of career technical education, the services provided by the Central Region were enhanced significantly. As part of this group, she attended and presented a session at each of the following national conferences: National Career Pathways Network, Association of Career Technical Educators Career-Tech Vision, and the American Association of Community Colleges.

**East Central**—The **Aviation Program at Portage Lakes Career Center (PLCC)** is a partnership between PLCC, Kent State University, The University of Akron, and the Akron Canton Airport. Students have hands-on aviation experiences while earning academic credit through College Credit Plus at The University of Akron and technical credit through Kent State University towards a Bachelor of Science degree.

**Northeast**—Mayfield Excel TECC's **Firefighting and Emergency Medical Services** pathway is a two-year pathway, beginning in students' junior year. Upon successful completion of the pathway, students are eligible to graduate with up to 26 college credits: 6 credits through a Tech Prep bilateral agreement and 20 credits through (CT)<sup>2</sup>. Students successfully completing the program and passing the state boards for EMT Basic and Fire Fighter I and II can obtain a position in the field directly upon graduation.

**Northwest**—Terra State Community College served as host for three events in conjunction with Ohio Governor John Kasich's State of the State address. Events featured Ohio Department of Higher Education Chancellor John Carey and Superintendent of Public Instruction Paolo DeMaria—both members of the Governor's cabinet, as well as Ohio Senator Randy Gardner and representatives from area business, industry and economic development groups. The discussion focused on what can be done to increase the number of skilled workers.

**Southeast**—**Pathways to Engineering:** Mid-East Career and Technology Centers and Zane State College allow students to complete an Associate of Technical Studies while enrolled in secondary career-technical programs.

**Southwest**—**P&G Pipeline:** Starting next fall, we'll join with the company and Cincinnati State to recruit a cohort of high school students who will elect a track that takes them to college with almost a semester of college credits earned in high school, co-op employment at P&G, and a step-up consideration for a P&G career.

## Increasing Awareness of College Credit Opportunities

The Regional Centers held 367 workshops, professional development, support s to educate secondary and postsecondary faculty, counselors and administrators on the college credit opportunities their students can earn while in high school. Regional Center staff also participated in a number of community events to promote career-technical education programs to students and parents. Overall, these activities brought together over 25,000 representatives from schools, colleges, business and industry as well as students and their families.

## Regional Contacts

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### Central Regional Center

The Central Ohio College Tech Prep Regional Center provides services to all secondary career-technical planning districts and public community colleges and universities in the region. The central office is located at North Central State College and three satellite offices are at Central Ohio Technical College, Columbus State Community College and Marion Technical College

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### FY 2017 Performance Review

Major services provided by the Central Ohio College Tech Prep Regional Center to all school districts, universities, colleges and adult career centers in the region include:

- Connecting secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
- Providing secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements.
- Ensuring students are aware and take advantage of postsecondary credit options.
- Assisting school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.

#### Programs of Study and Local Articulation Agreements

The following (Chart 1) represents the work done by Central Region in the career fields identified by the Ohio Department of Education for transition to new CTE26 in FY17: Arts & Communications, Government, Hospitality, Human Services and Transportation:

Career Field	CTE-26/POSS Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA*
Arts and Communications	31	35	9
Government	0	0	0
Hospitality	22	27	6
Human Services	5	17	6
Transportation	19	19	5
<b>FY17 Total</b>	<b>77</b>	<b>98</b>	<b>N/A</b>

\*The credits available on AA accounts for bi-lateral articulated credits only (no CTAGs or CC+)

### Partnership Highlights

There are many great partnerships among school districts, universities, colleges, adult career centers and businesses throughout the state. The following are exemplars created or strengthened in FY 2017, highlighting opportunities for students to access college credit while in high school.

Consultants of the Central Region have a long and successful history of working collaboratively to create alignments between the secondary and post-secondary partners within our region and with partner institutions in other Ohio Tech Prep regions. The following are highlights of partnership activities:

- The Central Region collaborates with other regions at every opportunity. The six Tech Prep Regions work together to help create pathways that are not readily available within a region.
- As a fellow for the 2017 ACTE National Leadership, the Central Ohio Technical College Consultant participated in a

The Regional Center also assisted its partners beyond the scheduled scope of work in FY17:

Career Field	CTE-26/POSS Completed	Articulation Agreements Created	Average Credit Available*
Agricultural and Environmental Systems	9	36	8
Business and Administrative Services	8	17	10
Construction	8	30	12
Education and Training	1	12	6
Engineering and Science Technologies	13	22	6
Financial Services	0	5	12
Health Science	5	40	7
Information Technology	8	35	9
Law and Public Safety	2	23	11
Manufacturing	5	26	6
Marketing	0	19	5
Job Training Coordinating/ Career Based Intervention	12	0	0
Family and Consumer Science	4	0	**
Industry Credential Only	52	0	
<b>FY17 Total</b>	<b>127</b>	<b>265</b>	

\*CTAG, Dual Enrollment, Bilateral and Articulation Agreements

\*\*Does not include CTAG or College Credit Plus opportunities

### Increasing Awareness of College Credit Opportunities

Another important service provided by the Ohio College Tech Prep Regional Centers in FY17 was educating secondary and postsecondary faculty, counselors and administrators about college credit opportunities available to their students to earn while in high school. The Central Regional Center provided 25 professional development workshops focused on quality programming, transitioning from career-technical programs to courses, Career-Technical Assurance Guides (CTAG) and local articulation agreements, and other workshops requested or necessary within the region. Overall, these workshops brought together more than 3,100 representatives from school districts, colleges, adult career centers, business and industry, as well as students and their families.

series of quality leadership activities. With this heightened understanding of the national perspective of career technical education, the services provided by the Central Region were enhanced significantly. As part of this group, she attended and presented a session at each of the following national conferences: National Career Pathways Network (NCPN) National Conference, Association of Career Technical Educators (ACTE) Career-Tech Vision National Conference, and the American Association of Community Colleges (AACC). The Central Region Chief Administrator also attended the NCPN conference and presented a session.

- The Chief Administrator served as a representative on a committee to create the framework for the Tuition Freedom Scholarship at North Central State College. His participation ensures that North Central State College (NCSC) scholarships are available to CTE students who earn 6 college credits through any combination of CCP, CTAG or Bi-Lateral agreements.
- One of the Columbus State Community College Consultants presented a session during the statewide EMIS Coordinators Meeting with approximately 200 people in attendance. The session included information regarding the various types of college credit opportunities available for high school students and the process to access earned credits.



## East Central Regional Center

The East Central Ohio College Tech Prep Regional Center provides services to all secondary career-technical planning districts and public community colleges and universities in the region. The region encompasses the Akron area, Kent State University and its regional campus system, and Mahoning and Stark Counties.

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## FY 2017 Performance Review

Major services provided by the East Central Ohio College Tech Prep Regional Center to all school districts, universities, colleges and adult career centers in the region include:

- Connecting secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
- Providing secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements.
- Ensuring students are aware and take advantage of postsecondary credit options.
- Assisting school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.

### Programs of Study and Local Articulation Agreements

The following (Chart 1) represents the work done by the East Central Region Tech Prep Center in the career fields identified by the Ohio Department of Education for transition in FY17 (for renewal in FY18): Arts & Communication, Hospitality, Human Services and Transportation:

Career Field	CTE-26/POSS Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA*
Arts & Communication	29	80	35
Hospitality	31	8	13
Human Services	58	58	60
Transportation	30	30	35
<b>FY17 Total</b>	<b>148</b>	<b>176</b>	<b>16</b>

\*The credits available on AA accounts for bi-lateral articulated credits only (no CTAGs or CC+)

## Partnership Highlights

In the East Central Region, there are many great partnerships among school districts, universities, colleges, adult career centers and businesses. The following are exemplars highlighting opportunities for students to access college credit while in high school.

**Culinary Program - Mahoning County Career & Technical Center (MCCTC)** - The Culinary Program at MCCTC has been selected as one of the nation's "Elite 50" by the National Center for Hospitality Studies at Sullivan University. This is the schools third consecutive designation and it highlights the programs ability to excel in the area of culinary arts. The Culinary Program partners with Youngstown State University to provide students with college credit towards their degree through CTAG and articulation agreements.

The following chart represents the work done beyond the slated scope of work identified for FY17. This details the support provided to secondary partners beyond the mandated career-fields identified in Chart #1:

Career Field	CTE-26/POSS Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA
Agricultural and Environmental Systems	3	6	22
Business	13	8	12
Construction	7	7	18
Education	3	21	36
Engineering	8	19	11
Health	5	29	52
Information Technology	10	41	24
Law & PS	0	6	23
Manufacturing	3	14	25
Marketing	2	7	18
<b>FY17 Total</b>	<b>54</b>	<b>158</b>	<b>11.0</b>

**Aviation Program – Portage Lakes Career Center (PLCC)** - The Aviation Program at PLCC is established as a partnership between Portage Lakes Career Center, Kent State University, The University of Akron and the Akron Canton Airport. Students have hands on aviation experiences while earning academic credit through College Credit Plus at The University of Akron and technical credit through Kent State University towards a Bachelor of Science degree. Students have the opportunity to complete all required general education requirements and a portion of the technical component while in high school.

### Increasing Awareness of College Credit Opportunities

Another important service provided by the Ohio College Tech Prep Regional Centers in FY17 was educating secondary and postsecondary faculty, counselors and administrators about college credit opportunities available to their students to earn while in high school. The East Central Regional Center provided 10 professional development workshops focused on quality programming, transitioning from career-technical programs to courses, Career-Technical Assurance Guides (CTAG) and local articulation agreements, and other workshops requested or necessary within the region. Overall, these workshops brought together more than 400 representatives from school districts, colleges, adult career centers, business and industry, as well as students and their families.



### Northeast Regional Center

The Northeast Ohio College Tech Prep Regional Center provides services to all secondary career-technical planning districts and public community colleges and universities in the region. The Center provides program guidance and oversight to three geographic partner locations – serving Lake, Lorain and Cuyahoga counties – that operate semi-independently to best serve the needs of their service areas.

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### FY 2017 Performance Review

Major services provided by the Northeast Ohio College Tech Prep Regional Center to all school districts, universities, colleges and adult career centers in the region include:

- Connecting secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
- Providing secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements.
- Ensuring students are aware and take advantage of postsecondary credit options.
- Assisting school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.

#### Programs of Study and Local Articulation Agreements

The following (Chart 1) represents the work done by the Ohio College Tech Prep Northeast Regional Center in the career fields identified by the Ohio Department of Education for transition in FY17 (for renewal in FY18):

Career Field	CTE-26/POSS Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA*
Arts and Communication	24	29	6.53
Family and Consumer Science	10	0	0
Government	0	0	0
Hospitality	22	29	11.33
Human Services	13	16	6.44
Transportation	12	16	3.67
<b>FY17 Total</b>	<b>81</b>	<b>90</b>	<b>4.66</b>

\*The credits available on AA accounts for bi-lateral articulated credits only (no CTAGs or CC+)

### Partnership Highlights

In the Northeast Region, there are many great partnerships among school districts, universities, colleges, adult career centers and businesses. The following are exemplars highlighting opportunities for students to access college credit while in high school.

#### Mayfield Excel TECC's Firefighting and Emergency Medical Services

pathway is a two-year pathway, beginning in students' junior year. Upon successful completion of the pathway, students are eligible to graduate with up to 26 college credits: 6 credits through a Tech Prep bilateral agreement and 20 credits through (CT)<sup>2</sup>. Students successfully completing the program and passing the state boards for EMT Basic and Fire Fighter I and II can obtain a position in the field directly upon graduation.

#### The Advanced Manufacturing Program at Auburn Career Center

exemplifies how the Career Technical Education successfully works with business partners in the community, including: Swagelok, Tessa Precision, Mercury Plastics, Apollo Manufacturing, Kennametal, Freedom, and Drummund Manufacturing. As these students enter the workforce, many at their

The following chart reflects events, professional development, and support systems provided by the Ohio College Tech Prep Northeast Regional Center, beyond the work of articulation and credit transfer:

Career Field	CTE-26/POSs Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA
Engineering and Science Technologies	7	19	17.67
Health Science	5	20	8
Information Technology	5	28	13.2
Manufacturing Technologies	2	5	7
Senior-only Industry Credential	18	0	0
Business and Administrative Services	2	15	17
Career-Based Intervention	11	0	0
<b>FY17 Total</b>	<b>50</b>	<b>87</b>	<b>8.98</b>

### Increasing Awareness of College Credit Opportunities

Another important service provided by the Ohio College Tech Prep Regional Centers in FY17 was educating secondary and postsecondary faculty, counselors and administrators about college credit opportunities available to their students to earn while in high school. The Northeast Regional Center provided 28 professional development workshops focused on quality programming, transitioning from career-technical programs to courses, Career-Technical Assurance Guides (CTAG) and local articulation agreements, and other workshops requested or necessary within the region. Overall, these workshops brought together more than 1,800 representatives from school districts, colleges, adult career centers, business and industry, as well as students and their families.

internship sites, they take with them 18 college credits from Lakeland. During the 980-hour, 2-year program, students will earn their 10-hour OSHA Safety certification, and they will have the opportunity to earn several NIMS certificates (National Institute for Metalworking Skills).

**The Lake Shore Compact Medical Assisting Program** prepares students for exciting careers in the healthcare industry. The seniors in the program from the Euclid, Mentor, Wickliffe and Willoughby-Eastlake school systems have all had the opportunity to gain hands-on experience in a variety of healthcare settings. As part of their 700 hours of in-classroom coursework, these seniors have earned CPR, First Aid, and OSHA certifications, and upon completion of their 160 externship hours, they are able to sit for the National Registered Medical Assisting exam.

**Regional Collaboration to Spark Interest in IT.** Partnering with the Regional Information Technology Engagement (RITE) Board, students in Lorain County schools are connected with IT faculty at Lorain County Community College, The University of Akron, and The University of Toledo through hands-on workshops. Graduates of the Information Technologies programs are eligible to earn an average of 3 college credits through the Tech Prep articulation agreements and an average of 30 college credits through the Career Technical Credit Transfer ((CT)<sup>2</sup>) process.

**Developing a Pipeline of Female Trades Apprentices:** In 2017-18, Tech Prep is spearheading a partnership with the International Union of Bricklayers & Allied Crafts workers Trades Union, LCCC, and local career-tech programs to develop a pipeline of females that possess trades skills upon graduating from high school who can then transition into the trades' apprenticeship programs.





### Northwest Regional Center

The Northwest Ohio College Tech Prep Regional Center provides services to all secondary career-technical planning districts and public community colleges and universities in the region. A central office is located at The University of Toledo and six staffed satellite offices are located at Clark State Community College, Edison State Community College, Northwest State Community College, Owens Community College, Rhodes State College and Terra State Community College.

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### FY 2017 Performance Review

Major services provided by the Northwest Ohio College Tech Prep Regional Center to all school districts, universities, colleges and adult career centers in the region include:

- Connecting secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
- Providing secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements.
- Ensuring students are aware and take advantage of postsecondary credit options.
- Assisting school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.

### Programs of Study and Bilateral Articulation Agreements

The following (Chart 1) represents the work completed by the Northwest Regional Center in the career fields identified by ODE for transition in FY17 (for renewal in FY18): Arts & Communication, Hospitality & Tourism, Human Services and Transportation Systems:

Career Field	CTE-26/POSS Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA (per agreement)*
Arts & Communication	31	24	3.21
Hospitality & Tourism	19	34	2.85
Human Services	17	57	3.35
Transportation Systems	28	68	2.93
<b>FY17 Total</b>	<b>95</b>	<b>181</b>	<b>3.08</b>

\*The credits available on AA accounts for bi-lateral articulated credits only (no CTAGs or CC+)

### Partnership Highlights

In the Northwest Region, there are many great partnerships among school districts, universities, colleges, adult career centers and businesses. The following are exemplars highlighting opportunities for students to access college credit while in high school.

**Rhodes State College** has partnered with Apollo Career Center’s Engineering program to offer a unique articulation agreement that allows students to access 15 semester hours of degree coursework.

In cooperation with the National Science Foundation, **Clark State** will be offering a Precision Ag Workshop designed for high school Tech Prep Agriculture and STEM teachers to learn emerging technologies in agriculture. Participants will use state-of-the-art equipment, software and other media to experience hands-on precision agriculture. This will allow qualified workshop graduates the opportunity to teach AGR1750 Precision Agriculture at their high school for college credit.

**Terra State Community College** served as host for three events in conjunction with Ohio Governor John Kasich’s State of the State

The following chart reflects work done beyond the slated scope of work identified for FY17. This details support provided to secondary partners beyond the mandated career-fields in Chart #1:

Career Field	CTE-26/ POSs Completed	Articulation Agreements (AA) Created	Total Number of AA Credits Available	Average Number of Credits Available on AA (per agreement)*
Agricultural and Environmental	6	9	27	3.0
Business and Administration	3	5	15	3.0
Construction Technologies	1	0	0	0
Education/Training	1	1	3	3.0
Engineering/Science Technologies	13	17	49	2.9
Finance	1	1	3	3.0
Health Science	4	5	12	2.4
Information Technologies	13	11	33	3.0
Law & Public Safety	1	0	0	0
Manufacturing Technology	2	4	7	1.75
<b>FY17 Total</b>	<b>45</b>	<b>53</b>	<b>149</b>	<b>2.81</b>

\*The credits available on AA accounts for bi-lateral articulated credits only. (not including CTAGs or CC+)

### Increasing Awareness of College Credit Opportunities

Another important service provided by the Ohio College Tech Prep Regional Centers in FY17 was educating secondary and postsecondary faculty, counselors and administrators about college credit opportunities available to their students to earn while in high school. The Northwest Regional Center provided 169 professional development workshops focused on quality programming, transitioning from career-technical programs to courses, Career-Technical Assurance Guides (CTAG) and local articulation agreements, and other workshops requested or necessary within the region. Overall, these workshops brought together more than 4,600 representatives from school districts, colleges, adult career centers, business and industry, as well as students and their families.

address. Events featured Ohio Department of Higher Education Chancellor John Carey and Superintendent of Public Instruction Paolo DeMaria—both members of the Governor’s cabinet, as well as Ohio Senator Randy Gardner and representatives from area business, industry and economic development groups. The discussion focused on what can be done to increase the number of skilled workers.

A unique partnership between **Millstream Career Center** and Exploring Scouts provides a firsthand look at various careers for the Millstream students. This co-ed program is managed under the Boy Scouts of America. The Exploring Posts are led by local business leaders and enables the students to complete hands-on projects for an in-depth look at the career field.

**Edison State Community College**, with assistance from its partnering school districts—**Upper Valley Career Center** and **Greenville High School**—is the recipient of a Choose Ohio First grant sponsored by the Ohio Department of Higher Education. The funds from this grant will be used to provide scholarships for Tech Prep students in order to encourage them to pursue a STEM degree or certificate in one of the college’s related programs of study.

This year the **Northwest Ohio Tech Prep Regional Center** joined the **Advanced Manufacturing Consortium (AMC)**. AMC was established by **Northwest State Community College** and has over 60 members representing area manufacturers, hospitals, and economic development. The AMC was developed to advance manufacturing by connecting manufacturers to public-private resources in the northwest Ohio region, the state of Ohio, and through the Manufacturing Extension Partnership (MEP) network.



## Southeast Regional Center

The Southeast Ohio College Tech Prep Regional Center provides services to all secondary career-technical planning districts and public community colleges and universities in the region. The Center is located at Washington State Community College with five satellite offices at postsecondary institutions: Belmont College, Eastern Gateway Community College, Hocking College, Rio Grande Community College and Zane State College.

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## FY 2017 Performance Review

Major services provided by the Southeast Ohio College Tech Prep Regional Center to all school districts, universities, colleges and adult career centers in the region include:

- Connecting secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
- Providing secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements.
- Ensuring students are aware and take advantage of postsecondary credit options.
- Assisting school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.

### Programs of Study and Bilateral Articulation Agreements

The following (Chart 1) represents the work done by the Southeast Regional College Tech Prep Center. The first reflects the career fields identified by the Ohio Department of Education for transition in FY17: Transportation, Arts & Communication, Hospitality, and Human Services (Cosmetology):

Career Field	CTE-26/POSS Completed	Local Articulation Agreements (AA) Created	Average Number of Credits Available on AA*
Transportation	15	9	6
Arts & Communication	20	6	11
Hospitality	12	22	8.5
Human Services	13	7	4
<b>FY17 Total</b>	<b>60</b>	<b>44</b>	<b>7.5</b>

\*The credits available on AA accounts for bi-lateral articulated credits only (no CTAGs or CC+)

## Partnership Highlights

In the Southeast Region, there are many great partnerships among school districts, universities, colleges, adult career centers and businesses. The following are exemplars highlighting opportunities for students to access college credit while in high school.

- **Pathways to Engineering** – Mid-East Career and Technology Centers and Zane State College – allow students to complete an Associate of Technical Studies while enrolled in secondary career-technical programs.
- **Raspberry Pi integration**- Washington State Community College repeated this training workshop from last year, bringing in larger numbers of teachers. Combined with last year's training, plans are underway to incorporate Raspberry Pi skills into IT pathways, and generate a regional showcase event in FY18
- **Arts & Sciences in SE Ohio**- Hocking College hosted ODE representatives in various Arts & Sciences areas, to introduce new pathways into the region.

This chart reflects work done beyond the slated scope of work identified for FY17. This details the support provided to secondary partners beyond the mandated career-fields identified in Chart #1:

Career Field	CTE-26/POSS Completed	Articulation Agreements Created	Average Number of Credits Available
Agriculture and Environmental Science	7	9	8.5
Business	5	10	7
Construction	3	17	9
Education	3	4	8
Engineering	2	5	6
Health Sciences	2	8	5.2
Information Technology	7	7	7
Manufacturing	5	11	5
Marketing	1	1	6
<b>FY17 Total</b>	<b>35</b>	<b>72</b>	<b>7</b>

### Increasing Awareness of College Credit Opportunities

Another important service provided by the Ohio College Tech Prep Regional Centers in FY17 was educating secondary and postsecondary faculty, counselors and administrators about college credit opportunities available to their students to earn while in high school. The Southeast Regional Center provided 13 professional development workshops focused on quality programming, transitioning from career-technical programs to courses, Career-Technical Assurance Guides (CTAG) and local articulation agreements, and other workshops requested or necessary within the region. Overall, these workshops brought together more than 300 representatives from school districts, colleges, adult career centers, business and industry, as well as students and their families.

- **SE Regional Website** (<http://www.techprepseo.org>) new site was introduced, and searchable articulation database completed. Entries will now be updateable by each college partner, providing students and teachers with updated information on articulation opportunities throughout the region.
- **CTAG "Kickstart" Campaigns**- Rio Grande and Washington State initiated CTAG campaigns for each campus, resulting in 10-15 new CTAG submissions within the region, and training postsecondary faculty as CTAG assistants for further campus submissions.
- **Career Exploration Camps**- Both Belmont and Hocking College held immersive student experiences to introduce middle/high school students to explore career options and pathways. Belmont continued its successful "STEM Days" experience, and Hocking introduced "Discover U", providing a series of career-themed weeks and hands-on learning experiences.



### Southwest Regional Center

The Southwest Ohio Tech Prep Regional Center serves 16 secondary career-technical planning districts and nine public community colleges and universities in a diverse 15-county area. The region is divided into three sub-regions; Ohio South (Portsmouth), Greater Cincinnati and Miami Valley (Dayton). This structure allows each to address local needs while still promoting regional goals.

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### FY 2017 Performance Review

Major services provided by the Southwest Ohio College Tech Prep Regional Center to all school districts, universities, colleges and adult career centers in the region include:

- Connecting secondary (7-12), college, adult and apprenticeship programs in meaningful Programs of Study/career pathways.
- Providing secondary students and adult learners with opportunities to earn college credit through College Credit Plus, statewide articulation or bilateral articulation agreements.
- Ensuring students are aware and take advantage of postsecondary credit options.
- Assisting school districts, Ohio Technical Centers and colleges in their efforts to adhere to statewide Career-Technical Credit Transfer (CT)<sup>2</sup> requirements and bilateral agreement expectations.

#### Programs of Study and Bilateral Articulation Agreements

The following (Chart 1) represents the work done by the Southwest Regional Center in the career fields identified by the Ohio Department of Education for transition in FY17: Arts and Communication, Transportation, Hospitality and Human Services:

Career Field	CTE-26/POSS Completed	Articulation Agreements (AA) Created	Average Number of Credits Available on AA*
Arts and Communication	25	20	6
Transportation	23	6	6
Hospitality	33		
Human Services	16	14	3
CBI	8		
FCS/GRADS	2	0	0
Apprenticeship	26	0	0
<b>FY17 Total</b>	<b>133</b>	<b>40</b>	<b>5</b>

\*The credits available on AA accounts for bi-lateral articulated credits only (no CTAGs or CC+)

### Partnership Highlights

In the Southwest Region, there are many great partnerships among school districts, universities, colleges, adult career centers and businesses. The following are exemplars highlighting opportunities for students to access college credit while in high school.

#### Shawnee State Plastics Pathway -

The regional center is structuring collaboration with the Shawnee State University plastics program to expand the number of southern Ohio students qualified to fill employment in that growing industry. There are many indicators that demonstrate the importance of plastics in Ohio's manufacturing economy. Shawnee State University and area CTCs are partnering to develop a stackable plastics education beginning in high school career tech programs to augment the existing post secondary plastics education. The college is offering entry-level plastics curriculum to career tech programs so that high school students graduating from aligned career tech programs are eligible for college admittance on an accelerated track.

#### Southwest IT Collaborative -

Regional career tech partners gathered last fall at the University of Cincinnati to discuss a new pathway linking Sinclair Community College, Cincinnati State and the University of Cincinnati. The pathway includes standardized curriculum, associate degree and

The following charts reflect work done beyond the slated scope of work identified for FY17. These charts detail the support provided to secondary partners beyond the mandated career-fields identified in Chart #1:

Career Field	CTE-26/POSS Completed	Articulation Agreements Created	Average Number of Credits Available
Health	9	0	0
Agriculture	3	3	3
Business	6	0	0
Construction	0	5	6
Engineering	17	41	6
Finance	1	0	0
Education	4	0	0
Law & Public Safety	1	0	0
Manufacturing	2	7	3
Information Technology	19	60	5
<b>FY17 Total</b>	<b>62</b>	<b>106</b>	<b>4</b>

### Increasing Awareness of College Credit Opportunities

Another important service provided by the Ohio College Tech Prep Regional Centers in FY17 was educating secondary and postsecondary faculty, counselors and administrators about college credit opportunities available to their students to earn while in high school. The Southwest Regional Center provided 23 professional development workshops focused on quality programming, transitioning from career-technical programs to courses, Career-Technical Assurance Guides (CTAG) and local articulation agreements, and other workshops requested or necessary within the region. Overall, these workshops brought together more than 8,600 representatives from school districts, colleges, adult career centers, business and industry, as well as students and their families.

certificate options, multiple types of college credit opportunity and admission to the UC bachelor degree program.

### Hospitality Pathway- Growing the Pipeline to Employment -

The southwest regional center has joined a group of tourism employers including the Cincinnati Reds, Museum Center, Hyatt Hotel, and Convention & Visitors Bureau to form a leadership institute to nurture talent to meet industry demand for hospitality workforce. The Cincinnati Convention & Visitors Bureau called on Tech Prep to help structure collaboration with secondary and postsecondary partners in order to grow the pipeline.

Professional Outreach Southwest Regional Center coordinators offered professional expertise to audiences within and outside the region. Presentations were offered during the National NCPN Conference, the Ohio School Improvement Institute and the ODHE Perkins Annual Meeting.

### EXEMPLARY PROGRAMS OF STUDY

- Marshall High School/Sinclair Community College – DD, DE
- Stebbins High School/Sinclair – DE
- Hughes STEM/Cincinnati State-JO
- MVCTC/Clark State-A1
- Grant Career/Cincinnati State-F6
- Eastern High School/Southern State-A6

