

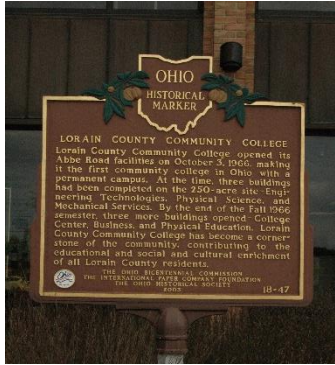


# Innovative Pathway Partnerships for Dual Enrollment



*Lorain County  
Community College*

# About Lorain County Community College



- Serving 11,000 credit students annually in Certificate and Associate Degree pathway programs
- Another 3,000 in LCCC's innovative University Partnership Program delivering over 50 bachelor's and master's degrees cost savings of about \$50,000 for a bachelor's degree
- Another 10,000 through workforce and customized training
- 89% of graduates live/work in region

## At A Glance: Our Students

70 % Part-time Students

30 % Full-time Students

69% Receive Financial Aid/Scholarships

50% Pell eligible

# PREPARING TALENT




## College Readiness



## Completion



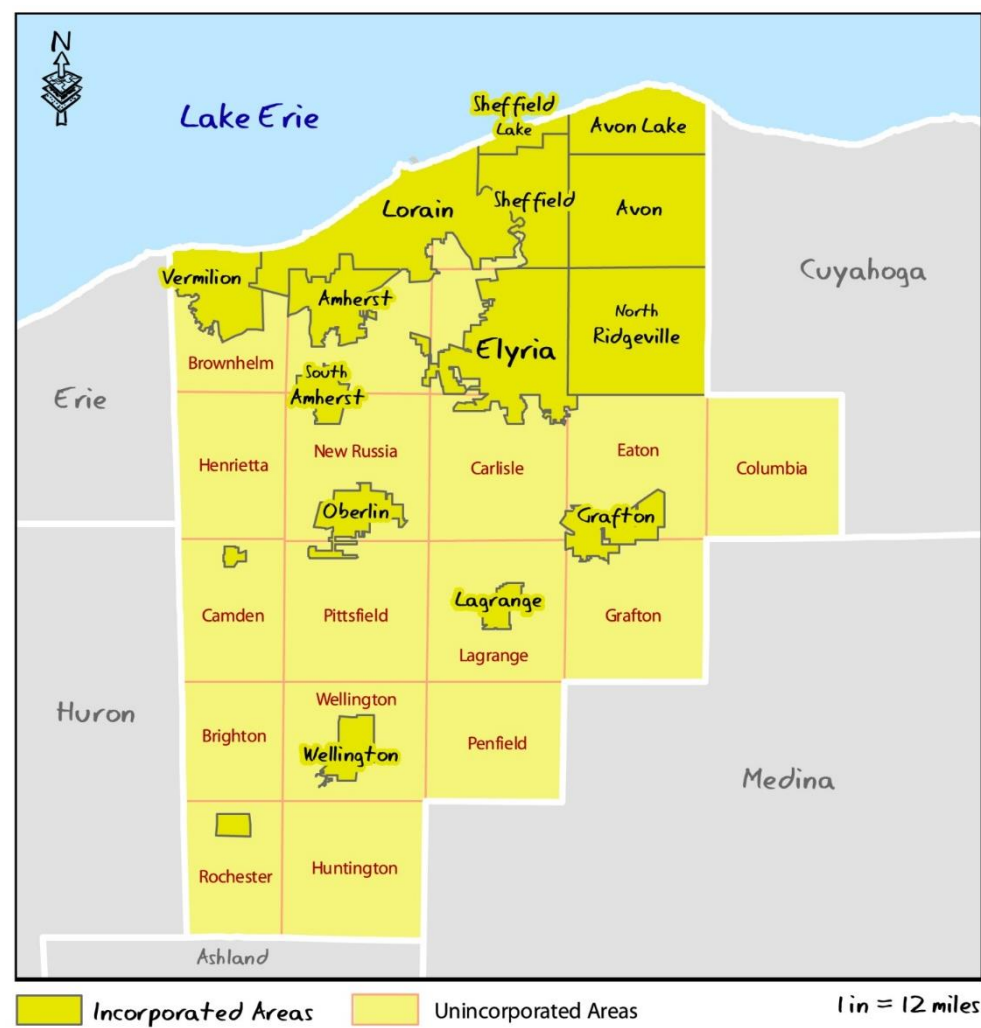
## Market-Driven

K-12 Partner Initiatives	Associate Degree and Certificate Program and Career Pathways	Bachelor and Master Degrees through University Partnership
 <ul style="list-style-type: none"> <li>• College Credit PLUS</li> <li>• Waiver -- College Credit PLUS</li> <li>• Early College High School</li> <li>• College Tech Prep</li> <li>• Project Lead the Way</li> <li>• MyUniversity</li> </ul>	<ul style="list-style-type: none"> <li>• Business and Entrepreneurship</li> <li>• Computers and Information Technologies (IT)</li> <li>• Culinary and Hospitality</li> <li>• Education</li> <li>• Engineering and Manufacturing</li> <li>• Health and Wellness</li> <li>• Human/Social Services and Public Safety</li> <li>• Liberal and Creative Arts</li> <li>• Science and Math</li> </ul>	<p>Over 56 Bachelor and 9 Master Degree Offerings</p> <ul style="list-style-type: none"> <li>• Ashland University</li> <li>• Bowling Green State University</li> <li>• Cleveland State University</li> <li>• Hiram College</li> <li>• Kent State University</li> <li>• Lake Erie College</li> <li>• Miami University</li> <li>• Ohio University</li> <li>• The Ohio State University</li> <li>• The University of Akron</li> <li>• University of Cincinnati</li> <li>• University of Toledo</li> <li>• Western Governor's University</li> <li>• Youngstown State University</li> </ul>
11,000 students		3,000 students



<b>College/University</b>	<b>Tuition, Room &amp; Board for 4 years (Actual costs may vary by program)</b>	<b>Cost of Bachelor's Degree Completion at LCCC's University Partnership</b>	<b>Cost savings by pursuing degree through University Partnership</b>
<b>Ashland University</b> , B.S. in Education	\$148,024	\$36,979	\$111,045
<b>Bowling Green State University</b> , B.S. in Biology	\$70,952	\$20,171	\$49,781
<b>Cleveland State University</b> , B.A. in Psychology	\$81,256	\$22,059	\$59,197
<b>Kent State University</b> , Bachelor of Business Administration	\$72,704	\$22,656	\$50,048
<b>The University of Akron</b> , B.S. in Sport Studies	\$72,429	\$21,342	\$51,087
<b>University of Toledo</b> , B.S. in Computer Science & Engineering	\$72,174	\$30,663	\$41,511
<b>Youngstown State University</b> , B.S. in Applied Science, Major in Allied Health	\$61,405	\$17,891	\$43,514

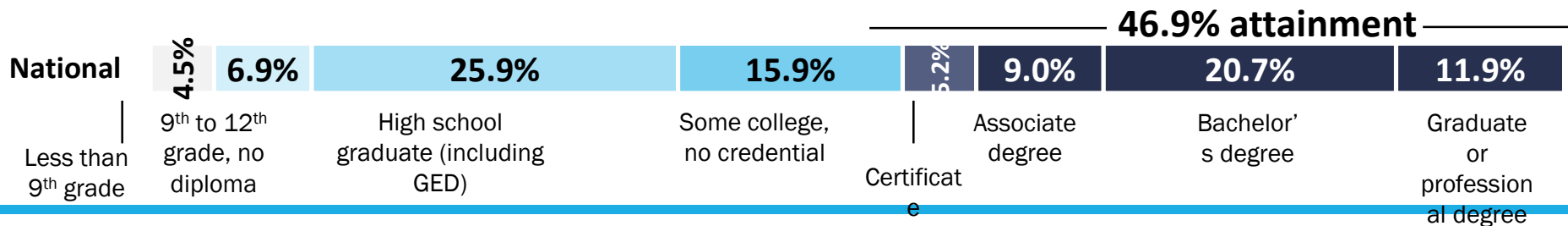
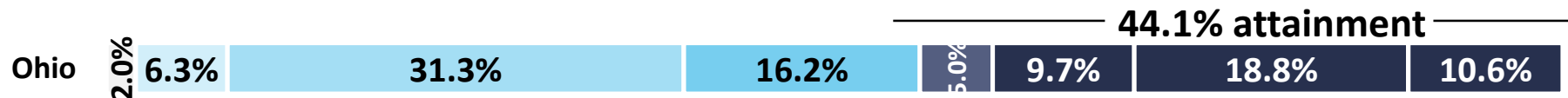
*\*\* LCCC's in county tuition is \$3,485 per year for a full-time student*







Where we are now (age 25-64):



# Truman Commission Vision for Community Colleges (1947)

## Mission

- Baccalaureate Parallel Degrees
- Applied Degrees
- Developmental Education
- Continuing Education
- Community Service

- 1,250 Community Colleges Nationwide
- 8 million students
- 45% of All Students
- 55% of All First Time Students

## Vision

- Accessible and affordable post-secondary education
- Serve all constituents within geographical service districts
- Flexible curricula of varying lengths designed to respond to unique needs, as well as the five standard purposes.
- Mobilize higher education resources to meet unique needs of the local community

# One County, Two Realities

2016  
Census.Gov

	<i>Persons in Poverty %</i>	<i>Median Household Income</i>	<i>Bachelor's Degree or Higher</i>
<b>Avon Lake</b>	<b>3.8%</b>	<b>\$80,884</b>	<b>51.5%</b>
<b>Avon</b>	<b>3.8%</b>	<b>\$90,846</b>	<b>47.2%</b>
<hr/>			
<b>Lorain</b>	<b>26.2%</b>	<b>\$35,753</b>	<b>11.7%</b>
<b>Elyria</b>	<b>22.2%</b>	<b>\$40,967</b>	<b>15.4%</b>

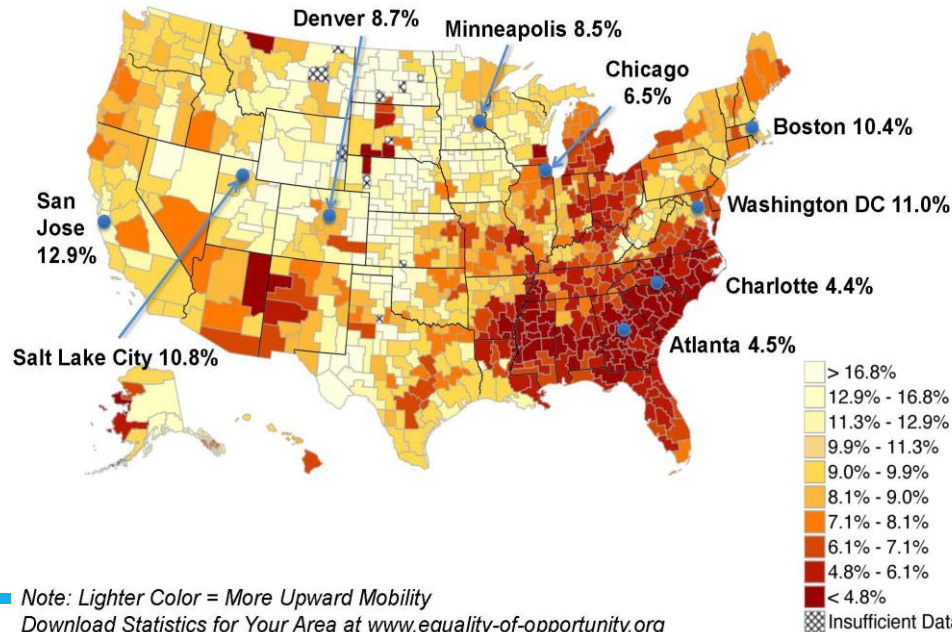


# ECONOMIC MOBILITY

There is only a 6.3% chance for Lorain children raised in bottom fifth of income levels to rise to the top fifth

## The Geography of Upward Mobility in the United States

Chances of Reaching the Top Fifth Starting from the Bottom Fifth by Metro Area



Source:  
Stanford Study  
on Poverty and  
Inequality 2015

# EARLY COLLEGE HIGH SCHOOL

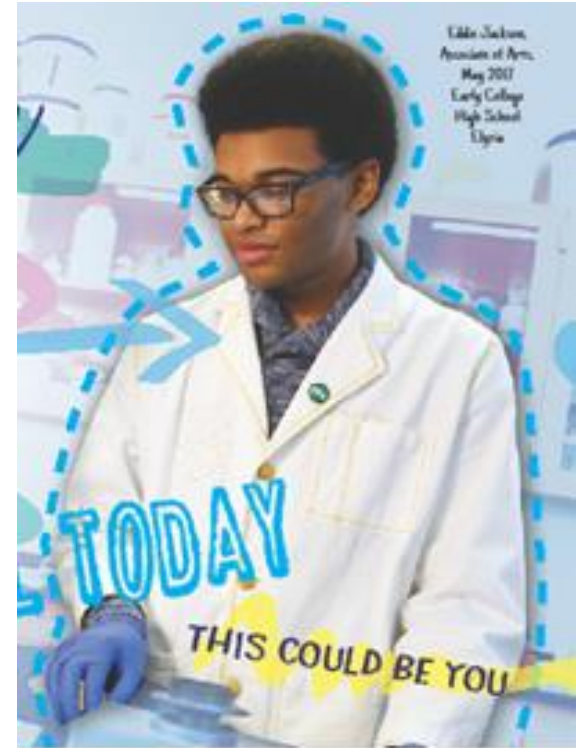
---

- First Generation College Students
- From Two Urban Districts Lorain and Elyria schools
- All four years of high school on LCCC campus

41.6% White,  
34.9% Hispanic/Latino,  
17.6% Black or African American

4,908 credits attempted with 95% completion rate

- 93.7% for White students,
- 94.1% for Hispanic/Latino students
- 96.5% for Black or African American students



- Established 2004. LCCC, Lorain City and Elyria City Schools thanks to a planning grant from the Bill and Melinda Gates Foundation. (Lorain served as lead for open enrolled students until 2015-2016.)
- First-generation, 90% free and reduced lunch, 66% (on average) minority
- Since inception, 661 students have completed Early College High School.
- 93% earn Associate of Arts and High School Diploma Simultaneously

### Early College High School Remarkable Results

- Early College High School Students Outperform State Average and Lead Local Districts in Ohio Graduation Testing; Aid in Improving District Scores*

Ohio Graduation Testing					
Students Tested	Mathematics	Reading	Science	Social Science	Writing
Ohio Public Schools	81% (108,712)	85.5% (114,357)	73.3% (98,327)	80.2% (107,002)	83.6% (111,488)
Avon HS	94.6% (277)	96.8% (278)	93.2% (278)	96.4% (278)	96% (278)
Avon Lake HS	97.6% (293)	98% (293)	96.2% (293)	98.6% (293)	98% (293)
<b>Early College High School</b>	<b>100% (89)</b>	<b>100% (89)</b>	<b>97.7% (89)</b>	<b>100% (89)</b>	<b>100% (89)</b>
Elyria HS	74.8% (469)	79.9% (467)	66.2% (468)	76.6% (461)	79.6% (461)
Lorain HS	55.4% (561)	67.8% (556)	46.6% (558)	56% (555)	69.4% (552)



5% --- 20%

Ohio Lorain County

2014-15 Implementation

Pathway for High School Students to 15 or 30 college credit hours

No cost to families

Use existing funding streams (Floor and Ceiling for Tuition Rates)

Requirements for Colleges (Fees, Career and Academic Advisors, Curriculum)

Requirement for School Districts (Pay tuition, Books initially responsibility of School Districts – Open for Negotiation in MOUs)



meets



Here. Now. Guaranteed.



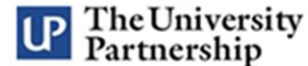


Here. Now. Guaranteed.



1. Earn an Associate's Degree and High School Diploma simultaneously – but flexible to join when ready
2. Earn bachelor's degree by age 20 to prepare for Careers in High-Demand, Well-Paying Jobs\*
3. Save 80% of the cost
4. Onsite and Ongoing Academic and Career Advising
5. Enjoy Full High School and College Experience

Powered by:



College/University	University Costs 4 years with Room & Board	Bachelor's Degree Completion Costs	Savings!
<b>Ashland University</b> B.S. in Education	\$119,376	\$32,798	72%
<b>Bowling Green State University</b> B.S. in Biology B.A. in Communication	\$76,408 \$76,408	\$11,745 \$15,350	85% 80%
<b>Cleveland State University</b> B.A. in Psychology	\$85,227	\$12,525	85%
<b>Hiram College</b> B.A. in Accounting & Financial Mgmt.	\$160,600	\$24,554	85%
<b>Kent State University</b> Bachelor of Business Administration	\$77,408	\$12,893	83%
<b>University of Akron</b> B.S. in Computer Information Systems B.S. in Nursing Bachelor of Organization Supervision B.S. in Sport Studies	\$83,844 \$83,444 \$83,444 \$83,444	\$16,586 \$16,340 \$14,687 \$12,811	80% 80% 82% 85%
<b>University of Toledo</b> B.S. in Computer Science & Engineering**	\$83,177	\$15,726	81%
<b>Youngstown State University</b> B.S. in Criminal Justice Bachelor of Social Work – Gerontology B.A. in Journalism B.A. in Political Science	\$83,184 \$83,184 \$83,184 \$83,184	\$13,305 \$13,424 \$13,660 \$13,660	86% 86% 86% 86%

\*\* Computer Science and Engineering degree takes an additional year due to required coop experiences.



Earn an associate degree and high school diploma simultaneously – but flexible to join when ready

Earn bachelor's degree by age 20 to prepare for careers in high-demand, well-paying jobs\*\*

Save 80% of the cost on average

Onsite and ongoing academic and career advising

Enjoy full high school and college experience



Here. Now. Guaranteed.

## 34 Pathways Completed!

[www.lorainccc.edu/MyUniversity](http://www.lorainccc.edu/MyUniversity)

BAHS in Respiratory Care Specialist-- BGSU  
BA in Accounting and Financial Management -- Hiram  
BA in Communication/Telecommunications -- BGSU  
BA in Gerontology -- YSU  
BA in Nonprofit Admin/Human Services--CSU  
BA in Nonprofit Admin/Public Administration -- CSU  
BA in Paralegal Studies -- KSU  
BA in Political Science --YSU  
BA in Public Safety Management -- CSU  
BA of Arts in Spanish -- CSU  
BA in Urban Studies-- CSU  
BBA, Major in Entrepreneurship-- UT  
BBA, Major in General Business -- KSU  
BBA, Major in Info Systems with Operations and Supply Chain Management Minor -- UT  
BBA, Double Major in Info Systems and Operations & Supply Chain Management -- UT  
BBA, Major in Management -- UT  
Bachelor of Organizational Supervision -- UA

BS in Applied Science/Criminal Justice -- YSU  
BS in Applied Science, Long-Term Care Administration -- YSU  
BS in Biology -- BGSU  
\*BS in Computer Information Systems-- UA  
    • Networking  
    • Programming  
    • Web Development  
\*BS in Computer Science and Engineering -- UT  
BS in Computer Science and Engineering Tech -- UT  
BS in Education, Early Childhood Licensure (PreK-3) -- AU  
BS in Education, Early Intervention Specialist/Early Childhood Education -- AU  
BS in Education, Intervention Specialist (K-12) -- AU  
BS in Education, Middle Grades (4-9) -- AU  
BS in Exercise Science, Fitness Management -- UA  
BS in Psychology -- CSU  
BS in Sport Studies-- UA  
\*Bachelor of Social Work -- YSU  
Bachelor of Technical & Applied Studies -- OU

\*Pathways/degrees take longer due to work-based learning component.

## Associate of Science, Lorain County Community College Bachelor of Science in Biology, Bowling Green State University

9<sup>th</sup> Grade

HS Periods	HS Credit	HS Course	LCCC Course	College Credit
1	1	English I		
2	1	Algebra I or Geometry		
3	1	Physical Science		
4	1	World History		
5	1	College & Career Readiness	SDEV 102: Strategies for College Success	3
	1		CISS 121: Microcomputer Applications	3
6	1	Foreign Language I		
7	.25 1	Physical Education Fine Arts Elective/ International Perspective/ Humanities Elective	MUSC 262: Music as a World Phenomenon *	3
<b>Yr. Total</b>	<b>8.25</b>			<b>9</b>

10<sup>th</sup> Grade

HS Periods	HS Credit	HS Course	LCCC Course	College Credit
1	1	English II		
2	1	Geometry or Alg. II		
3	1	Biology	BIOG 151: General Biology	4
	1	Chemistry	CHMY 161: General, Organic & Biochemistry I	4
4	1	United States History	HSTR 162: US History	3
	1	Humanities Elective	HUMS 151: Introduction to Humanities *	3
5	.5 .5	Personal Finance Health		
6	1	Foreign Language II (Must be same language)		
7		Open/Leave Unused		
<b>Yr. Total</b>	<b>8</b>			<b>14</b>
<b>Cum. Total</b>	<b>16.25</b>			<b>23</b>

## Associate of Science, Lorain County Community College Bachelor of Science in Biology, Bowling Green State University

### 11<sup>th</sup> Grade

HS Periods	HS Credit	HS Course	LCCC Course	College Credit
1	1	English III and English IV	ENGL 161: College Composition I	3
	1		ENGL 162: College Composition II	3
2	1	Alg. II or College Algebra	MTHM 171: College Algebra	4
	1	Pre-calculus	MTHM 172: Pre-Calculus	3
3	1	Advanced Science	BIOG 161: Principles of Biology I	4
	1		BIOG 162: Principles of Biology II	4
4	1	Foreign Language III (Must be same language)		
5	1	Government	PLSC 156: American National Govt.	3
	.5	Physical Education		
6	0/1	Elective or Open		
7	0	Open/Leave Unused		
<b>Yr. Total</b>	<b>9.5</b>			<b>24</b>
<b>Cum. Total</b>	<b>25.75</b>			<b>47</b>

### 12<sup>th</sup> Grade

HS Periods	HS Credit	HS Course	LCCC Course	College Credit
1	1	Humanities/Cultural Diversity	ENGL 266: African American Literature *	3
	1	Humanities Elective	HUMS 281: Introduction to American Cinema *	3
2	1	College Level Math	MTHM 181: Calculus I	5
	1	Advanced Science	PHYC 150: General Physics I	4
3	1	Advanced Science	CHMY 171: General Chemistry I	5
	1		CHMY 172: General Chemistry II	5
4	1	Foreign Language IV (Must be same language)		
5	0	Open/ Leave Unused		
6	0	Open/Leave Unused		
7	0	Open/Leave Unused		
<b>Yr. Total</b>	<b>7</b>			<b>25</b>
<b>Cum. Total</b>	<b>32.75</b>			<b>72</b>

Will have earned Lorain County Community College Associate of Science degree at the completion of grade 12.

## Associate of Science, Lorain County Community College Bachelor of Science in Biology, Bowling Green State University

Year 13

Fall Semester	Credit Hours	Spring Semester	Credit Hours
CHMY 271: Organic Chemistry I	5		
BIOG 275: Genetics	4	GPHY 152: Geography of the United States & Canada	3
BGSU required course: BIOL 3540: Population & Community Ecology	3	BGSU required course: BIOL 4390: Immunobiology	3
BGSU required course: BIOL 3740: Marine Biology	3	BGSU required course: BIOL 4450: Environmental Microbiology	3
<b>Semester Total</b>	15		9
<b>Cumulative Total</b>	15		24

Year 14

Fall Semester	Credit Hours	Spring Semester	Credit Hours
BIOG 252: Microbiology	5	BGSU required course: BIOL 3510: Evolution	3
BGSU required course must be 4000 level	3	BGSU required course: BIOL 4400: Molecular Neurobiology	3
BGSU 3000/4000 elective course	3	BGSU 3000/4000 elective course	3
BGSU 3000/4000 elective course	3	BGSU 3000/4000 elective course	3
<b>Semester Total</b>	14		12
<b>Cumulative Total</b>	38		50
<b>Grand Total</b>			122

**Will have earned BGSU Bachelor of Science in Biology at the completion of Year 14.**





## Services each School/Student will receive from Outreach Team:

- Conduct MyU & CC+ **Information Sessions** at high schools, LCCC and LCCC learning centers to inform and recruit
- Conduct **orientations** for MyU & CC+ students in spring at high school sites
- Gather and confirm class lists—check for admission status and college level placement and submit for registration
- Serve as liaison for scheduling on-site Accuplacer testing and delivering Accuplacer results
- Coordinate LCCC teams to offer services at high school site in a “one-stop shop” (Accuplacer testing, orientation, advising, registration, library and tutoring)
- Offer appointments and regular academic and career advising hours at the high school
- Coordinate MyU & CC+ high school site teacher/LCCC adjunct professional development
- Present college options (KH2G, MyPlan, UPClose) at HS site or LCCC proactively
- Develop individual, customizable academic pathways (MyCAP) for students to earn 15, 30, and 60+ credit hours
- HS senior to **Grad Transition meeting** – what to do next as a MyU/CC+ student
- Create year long planning calendar of events and services for MyU in district



## **Courses taught on LCCC campus by LCCC Faculty**

### **Discounted Cost Model**

- \$80 per credit hour – **25% Discount**
- School District responsible for book costs  
**\$25/credit hour**  
On campus students will return books so they can reused.
- Lab costs are LCCC's responsibility

Current LCCC in- county tuition rate is \$116.98 per credit.

LCCC out-of-county tuition rate is \$142.16 per credit. Tuition does not include book costs.

# Cost Model Comparisons

## Courses taught at High School

### By HS Faculty

\$41.57 per credit hour

School District is responsible  
for book costs

Lab and facility costs are School  
District responsibility

### By HS Faculty with College Mentor

\$45 per credit hour

School District is responsible  
for book costs

Lab and facility costs are  
School District  
responsibility

### Co-Taught by HS and College Faculty

\$52.50 per credit hour

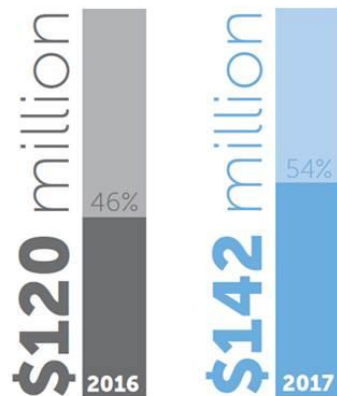
School District is responsible  
for book costs

Lab and facility costs are  
School District  
responsibility

January 30, 2018

Second-Year College Credit Plus Numbers  
Show Student Success

More than  
**\$262 million** in tuition  
savings to Ohio families



IN LORAIN COUNTY SECOND-YEAR  
CCP STUDENT SUCCESS  
HIGHLIGHTS

- 49,155 COLLEGE CREDITS EARNED
- 46 GRADUATED HIGH SCHOOL WITH AN ASSOCIATE DEGREE TOO
- \$7.76 MILLION IN COMMUNITY COLLEGE COSTS SAVED!
- ***EQUATES TO \$20.7 MILLION IN AVERAGE UNIVERSITY COSTS IN OHIO***
- **43%** OF ALL LORAIN COUNTY NEW GRADUATES GRADUATE WITH LCCC COLLEGE CREDITS

# CCP WAIVERS – LESSONS LEARNED FROM EARLY COLLEGE HIGH SCHOOL

---

- Lorain – Early College and Career Academies
- Elyria – Robotics Pathway

## SIX PILLARS

- Comprehensive Support System
- Pathways to College Technical Certificates/Associate of Applied Science Degrees
- Unique and Engaging College and Career Learning Experiences
- Building the Pipeline – readiness in K-12
- Professional Development for Teachers and Administrators
- Measuring Success and Continuous Improvement

# Expansion of Career-Tech



- Communities are collaborating to build partnerships
- Attainment Goal 2025 – all Ohio secondary schools are a key player
- Overwhelming demand for industry credentials
- Every school district is required to have a Business Advisory Council (BAC)
- BACs will play a role in curriculum development and provide work-based learning experiences for district students





## Earn and Learn

- Meet HS graduation requirements while earning an industry recognized credential
- Aligned with ODE's Industry Credential & Workforce Readiness List of in-demand jobs
- Prepares students to sit for the industry recognized exam (12 points)
- Take WorkKeys exam for graduation
- Credentials lead to an associate degree and a University Partnership pathway
- College credits earned through CCP, articulation agreements and CTAGs

**Comp TIA A+  
and Comp TIA  
Network Plus**  
Industry Credentials

**COMPUTER  
MAINTENANCE  
& NETWORKING**  
Short-Term  
Certificate

**COMPUTER  
MAINTENANCE  
& NETWORKING**  
One Year Certificate

**COMPUTER  
MAINTENANCE  
& NETWORKING**  
Associate Degree

# Earn and Learn Draft Pathways

## Computer Information Systems

- Networking Infrastructure (Credential: COMP TIA A+ industry credential)
- **Cyber Security** (working with LCCC faculty and ODE to identify proper credentials)

## Graphic and Computer Art

- Digital Arts (Credentials: Adobe: Illustrator, Photoshop and Premier)

## Construction, Engineering & Manufacturing

- Welding (AWS credential)
- Computer Aided Design (credentials: AutoCAD, SolidWorks)
- Automation / Robotics (credential: FANUC and AutoCAD or SolidWorks)
- Pre-Engineering (credential: FANUC and AutoCAD or SolidWorks)
- Micro-Electro Mechanical Systems (no ODE industry credential) **Petitioned ODE to add JSTANDARD credential to ODE List 1/12/18**

## Health & Wellness

- STNA (STNA credential) to LPN to RN to BSN
- Medical Assisting (LCCC program added ODE credential American Medical Technologist)
- Emergency Medical Services (Credential: EMT-Basic, CPR/First Aid)

