weLEAD COMPUTER SCIENCE
KY VIRTUAL CAREER ACADEMY

2024-2025 Annual Report Summary

Student Enrollment

360% increase in schools
226% increase in students

2024-2025
68 STUDENTS - 5 SCHOOLS

2025-2026
222 STUDENTS
26 SCHOOLS - 23 DISTRICTS

COLLEGE CREDIT HOURS EARNED

190
CREDIT HOURS

59
COLLEGE COURSE CREDITS

Industry Certifications

26 INDUSTRY CERTS EARNED

FALL 2024
- IC3 GS6 Level 2: **9**
- HTML & CSS: **2**
- Python: **4**

SPRING 2025
- IC3 GS6 Full Master Certification: **3**
- IC3 GS6 Level 2: **6**
- Python: **1**
- Java: **1**
- A+: **0**

Stacks

IC3 + ITS Python: 5
- Programming GS62: **2**
- Digital Design GS6: **2**
- Web Development GS: **2**

Multiple languages
- Computer Programming: **2**
- Digital Design: **1**

HTML + another language: **2**

END OF PROGRAM STATE ASSESSMENT
COMPUTER PROGRAMMING

87%
PASS RATE

NUMBER OF STUDENTS TESTED: 15

Course Completion

DUAL CREDIT ENROLLMENT: 59

FALL 2024
CIT 105- **16**
CIT 120-**12**
CIT 144-**6**

SPRING 2025
CIT 105-**6**
CIT 111-**13**
CIT 120-**3**
CIT 149- **3**

TOTAL HIGH SCHOOL CREDITS EARNED: 98

YEAR LONG COURSES

INTRO TO PROGRAMMING: **30**

CYBERSECURITY: **7**
COMPUTER HARDWARE & SOFTWARE MAINTENANCE-**2**

STUDENT MATRICULATION TO POSTSECONDARY INSTITUTIONS

6 SENIORS
CS DEGREES/KCTCS: 2
UNIVERSITY OF KENTUCKY CS DEGREE: 1
U OF L SPEED SCHOOL OF ENGINEERING: 1
UNDECIDED: 1
NURSING: 1

WORK-BASED & WORKPLACE READINESS LEARNING 2024-25

In 2025-2025, We Lead CS built a first-of-its kind, virtual work-based learning program connecting our students with employers. From the employers' perspective, WLCS is creating a pipeline of prepared, motivated talent. From the students' perspective, We Lead CS opens doors to career exploration, skill development, and meaningful professional connections that otherwise wouldn't have been possible.

GitHub Training

Foundational GitHub training
- 16 students

Advanced GitHub training
- 14 students

Paid Internships

Summer 2025
- Internship providers included: 5/3 BANK, P&G, INTERalliance
- 4 students

Virtual Job Shadowing

All Students

3 Career Connections
- 1 hour of 3 guest speakers with total of 39 guest speakers

1 Hour Virtual Job Shadowing
- 6 sessions
- 9 guest speakers
  - NKU
  - CISCO
  - US Bank
  - GE Aerospace
  - Kentucky Public Pensions Authority
  - Lexmark
  - AppOmni

Agile Training

Agile/SCRUM Development Training
- 16 students

JUMP START

8 week INTERalliance/P&G
- 2 evenings/week- 3 hrs/night
- 3 students attended

4 week WLCS JumpStart
- 2 mornings/week- 2 hrs/day + 1 hr homework/week
- 30 students
- 11 high schools & 2 middle schools.

Tech Olympics

Tech Olympics at P&G/Cincinnati
- **10** WLCS students attended
- WLCS Team placed 2nd in Student Showcase competition!

Mock Job Interviews

Mock Interview Prep Workshop
- ALL students

Mock Interviews
- ALL students

STLP Participation

Spring 2025
- WLCS led a coding competition
- **36** students competed
- # of schools: **12**

Challenge Defense Projects

CIT 149
- **3** students

Intro to Programming using Python classes w/o CIT 120
- **16/17** students, respectively

TSA Participation

Spring 2025
- Web Design: **4** students
- Misc. competitions: **12** students

Other College & Career Readiness

All Students
- Professionalism
- Career & College Exploration
- Elevator Pitch & Resume Building

KY COMPUTER SCIENCE COURSE SNAPSHOT 2024-25

Other than computer literacy, computer science classes are offered by less than 25% of KY schools. That means that WLCS's expanding roster of classeswill significantly improves access for many students.

Top Kentucky CS Course Offerings by Percentage of Schools

Course	Schools	Percentage	Number of Students
110110 Computer Literacy	141	39.39%	5406
110711 AP Computer Science Principles	89	24.86%	1490
110251 Computational Thinking	76	21.23%	973
110101 Computer Hardware and Software Maintenance	75	20.95%	779
270643 Technical Mathematics	75	20.95%	3133
110710 Introduction to Computer Science	74	20.67%	1126
110201 Introduction to Programming	68	18.99%	1244
110102 Help Desk Operations	58	16.20%	500
113605 Game Design and Development Principles	47	13.13%	717
110226 Project-Based Programming	44	12.29%	504
110701 AP Computer Science A	40	11.17%	496

Other WLCS Courses offered for Dual Credit

WLCS Course for Dual Credit	Schools	Perentage	Number of students
110230 Cybersecurity	36	10.06%	336
110901 Introduction to Networking Concepts	32	8.94%	315
110220 Object-Oriented Programming I	24	6.70%	275
110205 JAVA Programming I	21	5.87%	300
110912 Security Fundamentals	15	4.19%	186

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

2024-2025 Partner

Jefferson

2025-2026 Partners

Ashland
Gateway
Jefferson
Maysville
Madisonville
Somerset
Southcentral KY
West Kentucky

Star Denotes WLCS Courses offered to districts

Student Participation includes students attending ATC or through online/virtual instruction in 2023-24 school year

https://www.education.ky.gov/districts/tech/Documents/Annual%20Computer%20Science%20Report%2024-25%20(Final).pdf

weLEAD COMPUTER SCIENCE
KY VIRTUAL CAREER ACADEMY

2025-2026 Enrollment Snapshot

2025-2026 Data

23 Districts

23 High Schools
3 Middle Schools

26 Schools Total

A 420% INCREASE IN SCHOOLS SERVED!

Kentucky County and Independent School Districts
County School Districts – 120
Independent School Districts – 51
Kentucky School for the Deaf
Kentucky School for the Blind
ILEAD
New Horizon
Dayton
Ludlow
Covington
Beechwood
Erlanger-Elsmere
Bellevue
Newport
Fort Thomas
Southgate
Walton-Verona
Raceland-Worthington
Russell
Fairview
Ashland
Paducah
McCracken
Dawson Springs
Mayfield
Murray
Calloway
Fulton
Campbellsville
Rockcastle
Greenup
Lawrence
Montgomery
Menifee
Spencer
Bullitt
Hancock
Breckinridge
Owen
Boone
Kenton
Campbell
Carroll
Gallatin
Grant
Pendleton
Bracken
Mason
Robertson
Lewis
Carter
Boyd
Rowan
Elliott
Morgan
Johnson
Martin
Floyd
Pike
Pikeville
Knott
Perry
Breathitt
Owsley
Jackson
Lee
Wolfe
Magoffin
Estill
Powell
Madison
Garrard
Lincoln
Pulaski
Laurel
Clay
Leslie
Harlan
Letcher
Whitley
Bell
Knox
Clinton
McCreary
Wayne
Cumberland
Monroe
Allen
Simpson
Logan
Russellville
Todd
Christian
Trigg
Marshall
Graves
Hickman
Carlisle
Ballard
Lyon
Caldwell
Livingston
Crittenden
Hopkins
Muhlenberg
Butler
Edmonson
Hart
Green
Taylor
Casey
Russell
Metcalfe
Adair
Barren
Cave Run
Glasgow
Warren
Bowling Green
Grayson
Ohio
McLean
Webster
Union
Henderson
Owensboro
Daviess
Meade
Hardin
Elizabethtown
Nelson
Bardstown
Washington
Marion
LaRue
Boyle
Danville
Mercer
Burgin
Anderson
Woodford
Fayette
Jessamine
Clark
Bourbon
Paris
Franklin
Frankfort
Scott
Harrison
Nicholas
Fleming
Bath
Henry
Eminence
Oldham
Shelby
Jefferson
Anchorage
Trimble
Carroll
Gallatin
Grant
Williamstown
Pendleton
Augusta
Bracken
Mason
Robertson
Lewis
Greenup
Boyd
Carter
Rowan
Elliott
Morgan
Johnson
Martin
Floyd
Pike
Pikeville
Knott
Perry
Breathitt
Owsley
Jackson
Lee
Wolfe
Magoffin
Estill
Powell
Madison
Berea
Garrard
Lincoln
Pulaski
Science Hill
Somerset
East Bernstadt
Laurel
Clay
Leslie
Harlan
Letcher
Jenkins
Whitley
Corbin
Bell
Knox
Barbourville
Pineville
Harlan
Middlesboro
Williamsburg
McCreary
Clinton
Wayne
Cumberland
Monroe
Allen
Simpson
Logan
Russellville
Todd
Christian
Trigg
Marshall
Graves
Hickman
Carlisle
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Letcher
Whitley
Bell
Knox
Clinton
McCreary

TEACHERS, PROFESSIONAL LEARNING, INSTRUCTIONAL RESSOURCES 2024-25

INSTRUCTIONAL STAFF

2024-2025

3 Teachers

3 College/Career Coaches

2025-2026

4 Teachers

4 College/Career Coaches

PROFESSIONAL LEARNING

(all teachers)

Artificial Intelligence for Educators
CIPA: Compliance with the Children's Internet Protection Act
Child Abuse: Mandatory Reporting
Copyright Infringement
Cyberbullying
Digital Citizenship for Secondary Teachers
FERPA: Confidentiality of Records
Online Safety: What Every Educator Needs to Know
Sexual Harassment: Student Issues & Response
Youth Suicide: Awareness, Prevention and Postvention

National Standards for Quality Online Learning

Curriculum

- Code HS - Intro to Programming
- New in 2025-2026: Paradigm Cyber Ventures

Data & Learning Management Systems

- Infinite Campus (2025 integration into Data Exchange to sync data with districts)
- Canvas LMS
- New in 2025-2026: Class for Teams Digital Learning Platform

Dual Credit Curriculum

- TESTout: Online labs for CIT 105, CIT 111
- CIT 120, 144, 149: Online Textbook through Blackboard

Student Feedback & Continuous Improvement

Surveys Conducted:

- Intake (Sept): Motivation, strengths, areas for improvement
- Mid-Year (Dec): Progress and overall experience
- Final (May): Progress and overall experience

Teacher Response: Teachers reviewed survey data together, and discussed strategies for improvement. Changes were implemented based on student feedback.

Key Improvements:

- Adjusted class pacing and clarified examples
- Posted recorded sessions for review
- Added employer presentations on GitHub and Agile practices
- Explained private tutoring process and encouraged students to sign up

TAKE THE LEAD CHAMBER GRANTS 2024-25

$20,000 TAKE THE LEAD CHAMBER GRANTS

AWARDED TO:

- **Northern Kentucky Chamber**
- **Scottsville/Allen County Chamber**
- **Lexington Commerce Chamber**

Grant Objectives

Engage Employers

- Identify employers in your region hiring tech talent and the skills they need in their talent pipeline.
- Connect employers with students in We Lead CS virtual work-based learning experiences

Engage Educators

- Involve school districts in your region with employers hiring tech talent and We Lead CS to build a tech talent pipeline in your region.

Engage Parents

- Involve parents so they can encourage and support students interested in computing careers.

Engage Students

- Help recruit middle and high school students to prepare for Kentucky tech jobs in We Lead CS dual credit career pathways.