



**Presenter:**

Lucy Ott

Career Technical Education Coordinator

[CTE@lakelandcc.edu](mailto:CTE@lakelandcc.edu)

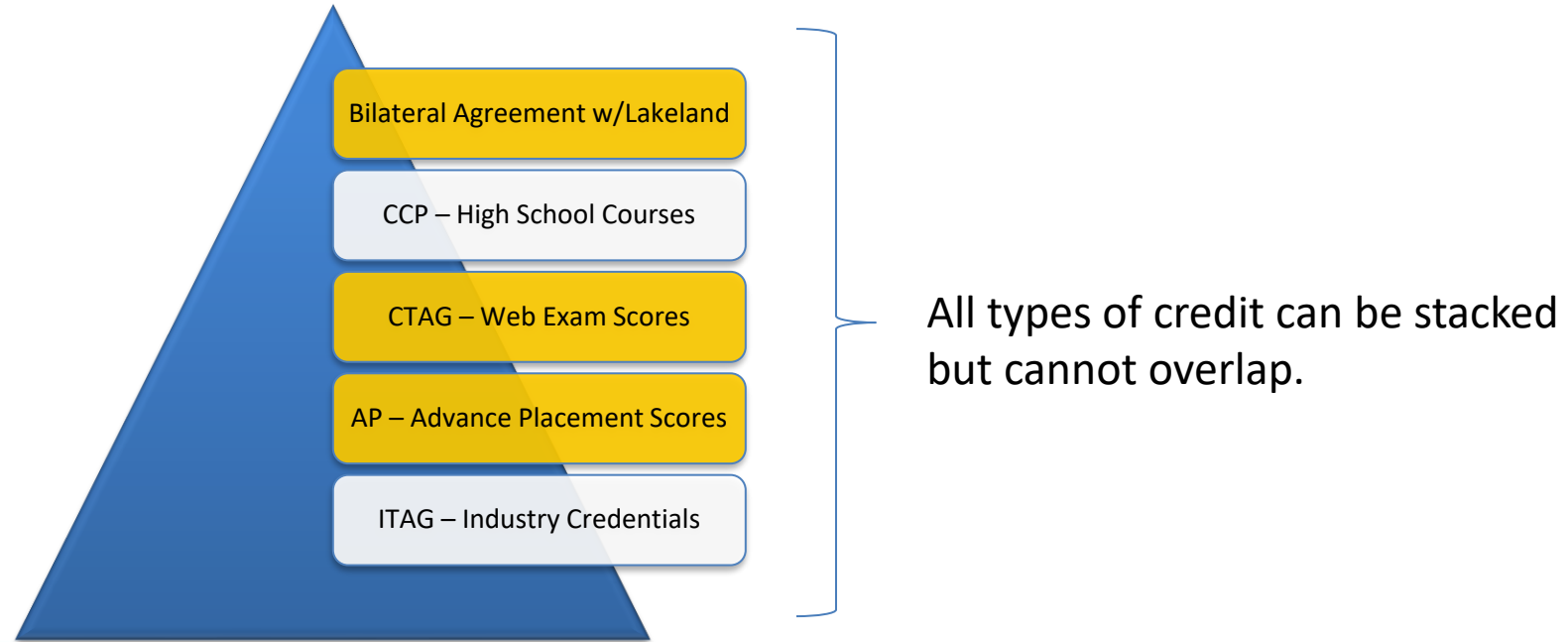
440-525-7493

**Lakeland**  
COMMUNITY COLLEGE

# CTE Stats from ODE and ACTE

- 98% of all CTE students graduated last year.
- 8.3 million high school students participated in career technical education pathways in 2020-2021, up from 7.5 million the previous year, according to the U.S. Department of Education.
- Over 50 percent of Ohio CTE students go on to higher education programs.
- Ohio high school students in the class of 2021 earned 59,155 industry-recognized credentials.

# College Credit – Where does it come from?



# What type of credit can be applied at Lakeland?

## From CTE Course:

- Articulated Credit - Bilateral Agreement
- CTAG
- ITAG

## From Other Courses:

- CCP
- AP

Handout in folder: Flyer from ODE - [LINK](#)



### Career-Technical Assurance Guides (CTAGs)

CTAGs grant college credit for career-technical coursework taken at either an Ohio public high school or career-technical center. Credit is awarded for a qualifying score on an end-of-course WebXam administered by the Ohio Department of Education.



### College Credit Plus (CCP)

CCP is a dual-enrollment program that allows students to earn high school and college credit at the same time. You may apply for CCP admission at any Ohio public college and/or participating private college.



### Advanced Placement (AP)

AP exams test students on their mastery of college-level coursework taken in high school. Credit is awarded for scores of 3 or higher on an AP exam administered by the College Board (an independent organization).

# Updates on Bilateral Agreement

- College credit that has been approved by Lakeland for your CTE program completion. (CANNOT be a CTAG/CCP/ITAG/AP/TAG credit)
- Most are two-year agreements.
- Visit Lakeland's website to see current Bilateral Agreements. [LINK](#)

***-Important that teachers, parents and students understand that a Bilateral Agreement is made directly between the Tech Prep/CTE Program and Lakeland Community College - any accepted credit transfer to another school is a bonus!!!***

You can access the "Request for Transfer" form through this link:

[Lakeland Community College \(OH\) Transcript Request | Parchment](#)

Your transcript will be sent to its destination upon payment of the transfer fee and submission of the form. ***Please note that each college or university makes an independent decision as to whether they will accept credit/s. Acceptance of credit is only guaranteed if you attend Lakeland. You will receive the most credit if you use it at Lakeland and stay on the same career path.***

**Lakeland**  
COMMUNITY COLLEGE



Career Technical Education

Bilateral Credit Agreement  
Program Name – Career Center Name

FOR OFFICE USE ONLY

LID: \_\_\_\_\_

Approved Credits: \_\_\_\_\_

**STUDENT:** Complete the "STUDENT" portion of this agreement.

1. Apply to Lakeland Community College as a CTE student. - [LINK](#) Once you are accepted in to Lakeland, you will receive an email with Lakeland ID (LID) and instructions on how to get to your myLakeland account. *(Keep this for future use!)* Enrolled CCP students do not have to reapply to Lakeland.
2. Ensure that the Lakeland Community College's Admissions Office has a copy of your final, official high school transcript. This transcript MUST be sent directly by your high school to [transcripts@lakelandcc.edu](mailto:transcripts@lakelandcc.edu).
3. Take a picture or make a copy of this agreement for your records and forward it to your high school college Tech Prep/CTE instructor by June 1<sup>st</sup>.
4. Questions? Visit: <https://lakelandcc.edu/web/about/career-technical-education> or Email: Lucy Ott at [CTE@lakelandcc.edu](mailto:CTE@lakelandcc.edu)

**NOTE:** It is the student's responsibility to ensure that all required documents are on file at Lakeland. *Bilateral agreements must be submitted directly by the school to the Tech Prep/CTE Office. Agreements turned in by the student will NOT be accepted.*

|  |   |
|--|---|
| Last Name:   | First Name:   |
| Home High School:  | High School Graduation Year:                                      |
| Lakeland ID # (LID):   | Preferred E-mail Address for Credit Notification (print clearly): |
| Student Cell:  |   |
| I would like my Career Technical Credit Transfer (CTAG) credit and Bilateral Agreement credit posted at Lakeland CC.<br>Yes _____ No _____ |   |
| Student Signature:   | Date:   |

**INSTRUCTOR:** Initial next to the course(s) you recommend this student be given credit for. Students must earn at least a 2.75 GPA in the Tech Prep/CTE program to be eligible for credit. (NOTE: Credits will be verified by official HS transcript.)

| Instructor's Initial | Lakeland Course # w/catalog link | Lakeland Course Title | Credit Hours |
|----------------------|----------------------------------|-----------------------|--------------|
|                      |                                  |                       |              |
|                      |                                  |                       |              |
|                      |                                  |                       |              |
|                      |                                  |                       |              |

Instructor's Signature: \_\_\_\_\_ Instructor's Printed Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Instructor's Email: \_\_\_\_\_

Submit to: Lucy Ott, CTE Coordinator at Lakeland Community College  
7700 Clocktower Drive, Kirtland, OH 44094

**TECH PREP/CTE OFFICE VERIFICATION:**

| Office Use | R | Checklist  |
|------------|---|--|
|            | 1 | Bilateral Agreement Submitted by CTE Instructor (this form)    |
|            | 2 | Completed HS Tech Prep/CTE Program                             |
|            | 3 | Official HS Transcript Submitted to Lakeland Community College |
|            | 4 | Earned 2.75 GPA or higher in College Tech Prep/CTE Program     |
|            | 5 | Applied to Lakeland (during HS graduation year) – LID          |

Credits Approved: \_\_\_\_\_ Credit Denied: \_\_\_\_\_ Reason for Denial: \_\_\_\_\_  
Tech Prep/CTE Official Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Revised 10/16/2023



# Claiming Bilateral Credit

## 1. Apply to Lakeland.

Students must apply to Lakeland during their high school graduation year, regardless of where they plan to go to college. Applying is easy, and only takes a few minutes. CTE students do not have to pay the application fee. After you apply, you will be sent an email that contains a LID (Lakeland ID), username and password information. Keep this information for future use!

**Note:** A Bilateral Agreement is an agreement made directly between the CTE program and Lakeland Community College.

## 2. Send Lakeland's CTE Coordinator your bilateral agreement.

Your instructor will provide you with a bilateral agreement which needs to be filled out and signed by you and your instructor. Then, your instructor must submit the signed agreement to the Lakeland CTE office. Please include your LID (Lakeland ID) number on the front of the document.

## 3. Send Lakeland Admissions your official high school transcript.

Transcript must come directly from your high school and be sent as an **official transcript to [transcripts@lakelandcc.edu](mailto:transcripts@lakelandcc.edu)**.

### NOTE:

**CTAG** credit is awarded through a system called CTAV and is based on scores earned on the **Web Exam** Assessments.

**ITAG** credit is awarded through a system called ITAV and is based earning state **approved Industry Recognized Credentials**.

# Lakeland Website – CTE Page

[General CTE Information](#) – search “CTE”

How to apply to Lakeland CC.

How to claim credits.

Contact info.

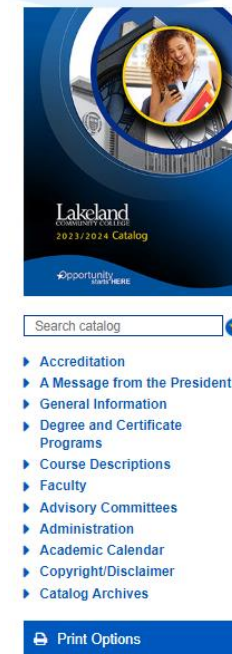
[Bilateral Agreements – FY2023](#) – search “Bilateral”

Will be updated FY2024.

[Course Catalog Link](#) - search “Catalog”

If our course description matches your curriculum and its not a CTAG/TAG, let me know!

Coming Soon: CTE Newsletter, Virtual Info Meetings



ACADEMICS  
College Catalog 2023-2024  
CATALOG COVER



# ODE / CTE Announcements

1. On Web Exams, remind students to select the following answer:

Do you grant permission to Ohio public colleges and universities to post credit associated with the completed WebXam to your transcript if you have applied and intend to enroll at the institution?"

Students may answer either:

"Yes, I authorize the Ohio public college or university to post credit on my transcript"

Or

"No, I do not authorize the Ohio public college or university to post credit on my transcript"

2. Change in Honors Diploma that allows students to substitute standard Honors requirements for "student strength" options.

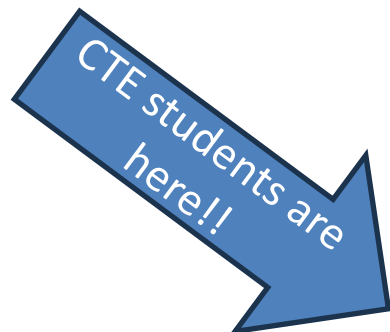
| Academic Honors Diploma |                       |   |
|-------------------------|-----------------------|---|
| Proposed Requirements   |                       |   |
| 1                       | Math                  | 4 <sup>th</sup> Math must be > Algebra 2  |
| 2                       | Science               | 1 additional unit Advanced Science  |
| 3                       | Social Studies        | 1 additional unit Social Studies  |
| 4                       | World Language        | 3 sequential units of one world language, or no less than 2 sequential units of two world languages studied |
| 5                       | GPA                   | 3.5 on a 4.0 scale  |
| 6                       | ACT/SAT               | ACT: 27 or higher/SAT: 1280 or higher   |
| 7                       | Seal Requirement      | Earn 2 additional diploma Seals, not including Honors Diploma Seal  |
| 8                       | Experiential Learning | Field Experience/ Portfolio, OMJ Readiness Seal, or WBL   |

Students may replace any of the Blue options with a "Student Strength Demonstration"

Student Strength Options include:

- **College Credit Plus:** 12 Credits
- **AP:** 3 Courses with 3 or higher on AP tests
- **CTAG:** 12 College Credits
- **Apprenticeship/Pre-Apprenticeship:** Completion or Evidence of Acceptance if required to be older than 18
- **WorkKeys:** 6 or higher on all tests(void for Career-Tech Honors Diploma)
- **ASVAB:** Score of 50
- **Work-Based Learning:** 250 Hours





# Success Stories

## Healthcare

Histotechnology

*Caitlin Kowalski*

Took a human biology CCP class to earn some college credit in high school and decided to continue in the medical field. Found Histotechnology interesting and enrolled in Lakeland's 2-year program.

Caitlin says she "was excited to go to class and had a lighter load because of her CCP classes". Completed her clinical rotations at the Cleveland Clinic where she gained real-world experience and is currently employed.

## ITCS

Computer Information Technology

*Marissa Coyne*

Graduated from MHS and completed the Programming and Software Development CTE Program in the Lake Shore Compact. Nationals for SkillsUSA and capstone at STERIS.

Completed her ATS Degree in Computer Information Technology at Lakeland and has been working at STERIS for 8 years as the Service Desk Supervisor, with 13 direct reports. Marissa says, "I have never once thought to regret my decision to forgo attending a 4-year university."

## Engineering

Mechanical Engineering

*Holly Warner*

Attended Lakeland and then went on to complete a Bachelors, Masters, and PhD in Engineering at Cleveland State. She has numerous posted research articles and just finished a research post at Case Western.

As a Doctor of Philosophy in Engineering, Holly wrote her dissertation on "Simulation and Control at the Boundaries Between Humans and Assistive Robots", while she was attending Cleveland State University, Washkewicz College of Engineering.

# Why continue at Lakeland CC?



## Career Services

Help students write professional resumes, prepare for interviews, connect with employers, host Job Fairs and assist with job placement.



## Networking

Students begin networking in their field with internships, industry partnerships, involvement in student organizations, and work-based learning experiences.



## Financial Support

130+ Scholarships, Financial Aid, Choose Ohio First, Second Chance Grant, Short Term Certificate Grant, College Comeback Program, etc. Lakeland is 1/3 the cost of 4-year schools.  
[CTE Scholarships](#)



## Academics

Lakeland offers 142 academic programs, including honors programming and programs that meet the local job demand: healthcare, manufacturing, ITCS, business, etc.

Course Catalog [LINK](#)



**Lakeland**  
COMMUNITY COLLEGE

*Images: Lakeland's Career Services Job Fair and Nursing Welcome Back Event*

# Ohio Top Jobs

Search:



Governor's Office of  
Workforce Transformation

- ✓ Northeast Ohio
- ✓ Associate Degree & Post Secondary Non-Degree
- ✓ Critical and In Demand

| Title   | Median Salary | Projected Growth | Projected Openings |
|---|---------------|------------------|--------------------|
| Medical Assistant                                       | \$34,000.00   | 116              | 1042               |
| Occupational Therapy Assistant                          | \$61,000.00   | 46               | 237                |
| Physical Therapy Assistant                              | \$61,000.00   | 45               | 338                |
| Computer User Support Specialist                        | \$48,000.00   | 43               | 43                 |
| Respiratory Therapist                                   | \$60,000.00   | 40               | 153                |
| Preschool Teacher                                       | \$28,000.00   | 29               | 531                |
| Phlebotomist  | \$36,000.00   | 23               | 235                |
| Computer Numerically Controlled Machine Tool Programmer | \$52,000.00   | 18               | 18                 |
| Paralegal and Legal Assistant                           | \$47,000.00   | 13               | 424                |

Are employers hiring in your chosen field?

[Ohio Top Jobs List - NEO](#)  
[Ohio Means Jobs](#)  
[Bureau of Labor Statistics](#)

Lakeland  
COMMUNITY COLLEGE





*Lakeland CCP/CTE students have transferred to public and private institutions all over the country. We've had students transfer in over 350 schools in 46 different states.*

**Lakeland**  
COMMUNITY COLLEGE

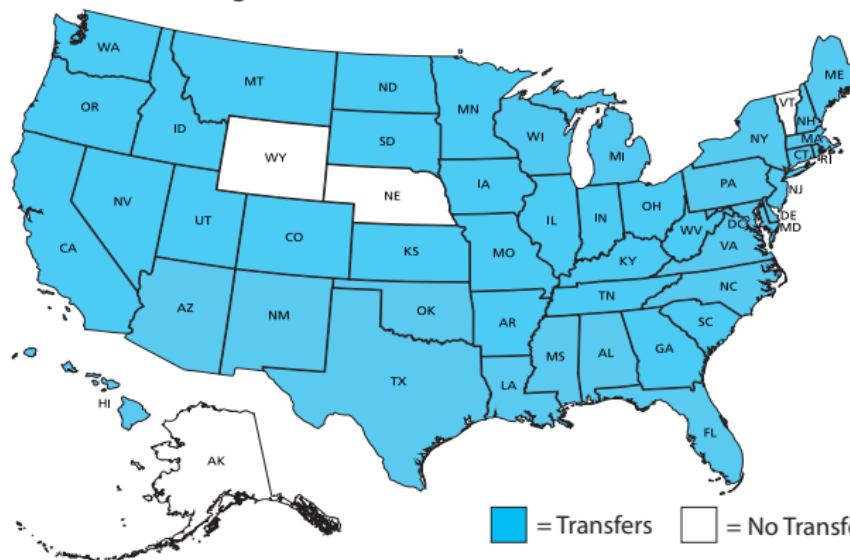
# COLLEGE CREDIT PLUS

Lakeland CCP Students

**Go Places!**

**Myth:** CCP credits don't transfer!

Lakeland College Credit Plus (CCP) students have transferred to colleges in 46 different states!



## Top 10 schools:

- ✓ Cleveland State University
- ✓ Kent State University
- ✓ The Ohio State University
- ✓ Ohio University
- ✓ Bowling Green State University
- ✓ University of Cincinnati
- ✓ University of Akron
- ✓ John Carroll University
- ✓ Miami University
- ✓ Lake Erie College

**Myth:** CCP students don't get accepted into selective institutions!



# Data

Lakeland offers a high-quality education at a low cost while boasting impressive earning potential for graduates.

**95%**



Graduates satisfied with  
the quality of their  
Lakeland education

**MORE  
THAN 90%**



Job placement and 4-year  
transfer

**95%**



Graduates who would  
recommend Lakeland

**LOWEST  
TUITION**



In Ohio for Lake County  
residents

**Lakeland**  
COMMUNITY COLLEGE

# Research the Pathway - Example

*Research how your credits will work best for the degree your students wish to pursue.*

## **Question to Ask:**

*How will HS college credits affect the length of time in school and cost of college?*

## **STUDENTS SHOULD ADVOCATE FOR THEMSELVES!!!**

(FERPA laws do apply when a parent is asking the questions.)

### Information Technology Career Pathway

Secondary Pathway: Programming and Software Development

Postsecondary Program: Programming and Software Development

#### An Example of Courses with Secondary and Postsecondary Credits

|               |                        |                   |                                 |                         |                            |                                   |                              |                    |                 |
|---------------|------------------------|-------------------|---------------------------------|-------------------------|----------------------------|-----------------------------------|------------------------------|--------------------|-----------------|
| Secondary     | 7<br>8                 | English I         | Algebra I                       | Physical Science        | Social Studies             | Fine Arts                         | Information Technology       | Programming        |                 |
|               | 9<br>10                | English II        | Geometry                        | Biology                 | World History              | Health (.5)<br>PE (.5)            | Object Oriented Programming  | Visual Programming | World Languages |
|               | 11                     | English III       | Algebra II                      | Chemistry               | U.S. History               | Systems Analysis & Design         | World Languages              |                    |                 |
|               | 12                     | English IV        | Trigonometry/Calculus           | Physics                 | U.S. Government            | Database Applications Development |                              |                    |                 |
| Postsecondary | Year 1<br>1st Semester | English           | College Seminar                 | Intro to Business       | Computer Applications      | Computer Programming              | Operating Systems & Security |                    |                 |
|               | Year 1<br>2nd Semester | Technical Writing | Math for Information Technology | Internet Programming I  | Database                   | Advanced C++                      |                              |                    |                 |
|               | Year 2<br>1st Semester | College Algebra   | Visual Basic I                  | Internet Programming II | Systems Analysis & Design  | Natural Science Elective          |                              |                    |                 |
|               | Year 2<br>2nd Semester | Communication     | Visual Basic II                 | Java Programming        | Arts & Humanities Elective | Social Science Elective           | IT Capstone                  |                    |                 |

|   |
|---|
| High School Career-Technical Education Program Courses  |
| High School Courses for Postsecondary Credit (Including Apprenticeship Hours) and the Corresponding Postsecondary Courses |
| Required Courses  |
| Recommended Electives   |

Visit [education.ohio.gov/CareerConnections](http://education.ohio.gov/CareerConnections) for reference information.

Course titles and sequences will vary between schools.

11/2014

<https://education.ohio.gov/Topics/Career-Tech/Career-Connections/Career-Pathways>

# Student - Portfolio Workshop/Apply to Lakeland

- What should go in a Portfolio?
  - Resume
  - Cover letter
  - Letters of recommendations
  - All certificates, badges, honors, workshops, etc.
  - Copies of Bilateral Agreement, Web Exam certificates, WBL Agreements, transcripts, etc.
- Digital AND hardcopy (could check a lot of OMJ Seal boxes)
- Be your own advocate – keep organized records and ask about your credits.

*Don't just tell employers what you can do, **SHOW** them what you can do!!*

**Thank you!**

Lucy Ott

Career Technical Education Coordinator

[CTE@lakelandcc.edu](mailto:CTE@lakelandcc.edu)

440-525-7493

**Lakeland**  
COMMUNITY COLLEGE

*Career Technical Education*



**Become career  
focused and job  
ready in a field  
that interests  
you!**



Scan to learn more!

**Lakeland**  
COMMUNITY COLLEGE  
CAREER TECHNICAL EDUCATION

7700 Clocktower Drive  
Kirkland, OH 44094

MZ9/23#13324