



## **Charter School *for* Applied Technologies**

### **EARLY COLLEGE AND CAREER PATHWAYS**

*A partnership with SUNY Buffalo State College and SUNY Erie*



# RALPH

RESPECT • ACCOUNTABILITY • LEADERSHIP • PERSEVERANCE • HONESTY



**Charter School for  
Applied Technologies**

*Where Every Day is Career Day*

# who we are

*Where Every Day is Career Day*

Founded in 2001, CSAT began as a K-6 Elementary School with 700 students. Today, we serve over 2,300 students in grades K-12 with a **mission of preparing students to attain family sustaining careers by integrating career exploration and lifelong learning culture.** Free to attend and open to all residents, CSAT serves a diverse student body representing 19 different school districts throughout Western New York, with approximately 84% of our students residing within the city of Buffalo. Our High School has a 97% graduation rate over the past 12 years. CSAT has developed Early College and Career Pathways (ECCP) in order to offer **college-level coursework to students in conjunction with extensive career exploration.** The goal of ECCP is to ensure that students are prepared for a range of high demand family-sustaining careers upon graduation. Dual enrollment courses offered through our partners at SUNY Buffalo State College and SUNY Erie give students the opportunity to gain both high school and college credit simultaneously. This incredible benefit is offered to all CSAT students **at no cost.**



**CSAT**  
students  
can now  
graduate  
with both a

**High School  
Diploma**

+

**Pathway  
Internship**

+

**FREE**  
College  
Credit

This incredible benefit is  
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## CREDITS TO CAREERS

A key feature of ECCP is the flexibility it offers. Students will be prepared to leave CSAT and directly enter the work force following internship and high school graduation, or attend a two or four-year college. In each scenario, students will have accumulated transferable college credits toward their desired career goals, having “stackable options” to attain a professional certificate, associate’s or bachelor’s degree. At CSAT, career readiness is the culmination of foundational skills and work-based learning experiences that result in an immediately employable student upon graduation.

## OUR PARTNERS

Our partnership with SUNY Buffalo State College and SUNY Erie is an important component of the ECCP. Many CSAT graduates attend these local institutions to earn a certificate, associate’s or bachelor’s degree in their chosen Pathway. Dual enrollment courses allow students to earn stackable and transferable college credits while they are still in high school, and students can also step onto campus at SUNY Buffalo State or SUNY Erie (North, South, or City) during their senior year to experience college coursework and college life first-hand.

## SUMMER BRIDGE

Summer Bridge on the SUNY Buffalo State Campus is a critical aspect of ECCP. It provides early exposure to college coursework, a college campus, and career exploration. This opportunity allows students to earn three college credits while receiving support by developing targeted study skills and the academic confidence to ensure a successful transition into college.

*Access to College Credits*

*Early Exposure to Campus*

*Improved Study Skills*

*Career Exploration*

**High School  
Diploma**

+ internship and  
pathway credits

**Certificate  
Programs**

**Associates  
Degree  
(AAS/AS)**

**Bachelor’s  
Degree  
(BA)**

Students can enter the workforce when they are ready. After the successful completion of any of the above, students will possess the skills needed to enter the workforce at various levels.

*Enter the work force*



# CHOOSING YOUR PATHWAY



Health + Human Services



Business + Technology



PLTW + Advanced Manufacturing



Arts + Communications

CSAT encourages students to explore a wide range of career options through our four Pathways: Health & Human Services, Arts & Communications, PLTW & Advanced Manufacturing, and Business & Technology. Through Pathway coursework and career exposure, students develop a strong sense of interests, skills and abilities while in a supportive high school environment. These experiences will propel them to a focused career path beyond graduation.

## CAREER

CSAT's Pathways provide students with **professional development, career exposure and credit-bearing college courses** to prepare them for the challenges of the 21st century workplace. Students will have the opportunity to gain work experience and mentorship from industry partners, as well as enrichment activities through extra-curriculars and **community programs**. As students work toward an **internship experience**, they will update resumes and cover letters to develop professional career portfolios as well as practice interviewing and networking to gain hands-on experience. These opportunities give CSAT students a distinct advantage when entering the work force at any level.

## CREDITS TO CAREERS

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*Access to College Credits*

*Early Exposure to Campus*

*Improved Study Skills*

*Career Exploration*

**High School Diploma**

+ internship and pathway credits

**Certificate Programs**

**Associates Degree (AAS/AS)**

**Bachelor's Degree (BA)**

Students can enter the workforce when they are ready. After the successful completion of any of the above, students will possess the skills needed to enter the workforce at various levels.

*Enter the work force*

#collegebound



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+ EARLY COLLEGE AND CAREER PATHWAYS

## OPPORTUNITIES FOR YOU



**EXPOSURE TO CAREERS**



**SUMMER BRIDGE**



**FREE COLLEGE CREDITS**



**STUDENT INTERNSHIPS**



**CERTIFICATE PROGRAMS**

TAKE THE PATHWAY TO SUCCESS

At CSAT we have a close-knit community where teachers and students care about not only each other but the success of the school. Students play an important role in maintaining an environment of high academic expectations and school culture through our **Code of Character, RALPH**. We are proud of our diversity and celebrate our community through monthly Family Meetings (town halls), and our advisory period NEST (New Experiences between Students and Teachers). Community and school culture are at the core of what we do at CSAT. We work together to ensure that all students are successful, and our core values guide the ways in which we collaborate.

you  
got  
this

NEST

RALPH

SCHOOL CULTURE

COMMUNITY



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2245 Kenmore Avenue  
Buffalo, New York 14207  
(716) 871-7400  
[www.csat-k12.org](http://www.csat-k12.org)

**[csat-k12.org/ECCP](http://csat-k12.org/ECCP)**



# FRESHMAN YEAR

in the Early College and Career Pathways program.



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# FRESHMAN YEAR

## REQUIRED COURSES:

*English 9, Global I, Algebra I, Living Environment, and Freshman Seminar*

- Explore **career options** within the four Pathways.
- Develop soft-skills and financial literacy through active **participation** in Freshman Seminar.
  - Determine which Pathway aligns with **your goals** and ambitions.
- Consider participating in an **after-school club, sports team, or an enrichment program.**



### BUSINESS + TECHNOLOGY

#### COURSEWORK

- Intro to Business

#### SPEAKER SERIES

- Police Officer
- Corrections Officer
- Entrepreneur
- Computer Programmer
- Accountant

#### FIELD TRIPS

- Buffalo Fire Department
- Microsoft
- NYS Troopers
- NYS Courts
- Rich Products



### ARTS + COMMUNICATION

#### COURSEWORK

- Studio in Art or Craft Art,  
Instrumental or Vocal Music

#### SPEAKER SERIES

- Graphic Designer
- Art Teacher/Music Teacher
- Photographer
- Architect

#### FIELD TRIPS

- Shea's Theatre
- New Bird Design
- Buffalo News
- Castellani Art Museum



### PLTW + ADVANCED MANUFACTURING

#### COURSEWORK

- Intro to Engineering Design

#### SPEAKER SERIES

- Engineer
- Automotive Technician
- Truck Driver
- Machine Operator
- Drafter

#### FIELD TRIPS

- ECC Engineering Days
- Speed Global
- Tapecon
- Northland
- Quakenbush Inc.



### HEALTH + HUMAN SERVICES

#### COURSEWORK

- Living Environment (80+)

#### SPEAKER SERIES

- Medical Examiner
- Pharmacist
- Nursing
- Physical Therapist
- Zoologist

#### FIELD TRIPS

- Twin City Ambulance
- UNYTS
- Mercy Flight
- Niagara Falls Aquarium
- Connect Life
- Riverside Chiropractic

Plus



FIELD  
TRIPS

+

SPEAKER  
SERIES

+

FRESHMAN EXPERIENCE  
TO COLLEGE OR LOCAL  
BUSINESS



# SOPHOMORE YEAR

in the Early College and Career Pathways program.



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# SOPHOMORE YEAR

## REQUIRED COURSES:

*Global History, Physical Science, and Mathematics*

- Participation in the **Summer Bridge Program** at SUNY Buffalo State College.
  - Narrow your focus on a specific **Pathway**.
  - Begin **college level** coursework at CSAT.
    - Begin touring college campuses.
- Complete 10 hours of **Community Service**.



### BUSINESS + TECHNOLOGY

#### COURSEWORK

- Intro to Coding/Computer Fundamentals
- Entrepreneurship + Marketing

#### SPEAKER SERIES

- Police Officer
- Corrections Officer
- Entrepreneur
- Computer Programmer
- Accountant

#### FIELD TRIPS

- Buffalo Fire Department
- Microsoft
- NYS Troopers
- NYS Courts
- Rich Products



### ARTS + COMMUNICATION

#### COURSEWORK

- Drawing + Painting
- Digital Arts
- 3D Design
- Symphonic Band/Jazz Ensemble
- Treble Choir/Mixed Choir/Voice Class
- Piano

#### SPEAKER SERIES

- Graphic Designer
- Art Teacher/Music Teacher
- Photographer
- Architect

#### FIELD TRIPS

- Shea's Theatre
- New Bird Design
- Buffalo News
- Castellani Art Museum



### PLTW + ADVANCED MANUFACTURING

#### COURSEWORK

- Principals of Engineering

#### SPEAKER SERIES

- Engineer
- Automotive Technician
- Truck Driver
- Machine Operator
- Drafter

#### FIELD TRIPS

- ECC Engineering Days
- Speed Global
- Tapecon
- Northland
- Quakenbush Inc.



### HEALTH + HUMAN SERVICES

#### COURSEWORK

- Health
- Chemistry

#### SPEAKER SERIES

- Medical Examiner
- Pharmacist
- Nursing
- Physical Therapist
- Zoologist

#### FIELD TRIPS

- Twin City Ambulance
- UNYTS
- Mercy Flight
- Niagara Falls Aquarium
- Connect Life
- Riverside Chiropractic

*Plus*



**COLLEGE  
& CAREER  
CONVENTION**

+

**SPEAKER  
SERIES**

+

**FIELD  
TRIPS**

+

**COMMUNITY  
PROGRAMS**



# JUNIOR YEAR

in the Early College and Career Pathways program.



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# JUNIOR YEAR

## REQUIRED COURSES:

*English 11 (EN100)*

Eligible to enroll in *College Math I (MT125)* or *Pre-Calculus (MT180)* for college credit.

- **Prepare for Regents examinations** in English and U.S. History.
- Begin **dual-enrollment** college classes in core areas and in your Pathway.



### BUSINESS + TECHNOLOGY

#### COURSEWORK

- Intro to Logistics
- College and Career Success Skills

#### SPEAKER SERIES

- Police Officer
- Corrections Officer
- Entrepreneur
- Computer Programmer
- Accountant

#### FIELD TRIPS

- Buffalo Fire Department
- Microsoft
- NYS Troopers
- NYS Courts
- Rich Products



### ARTS + COMMUNICATION

#### COURSEWORK

- Advanced Drawing + Painting
- Digital Arts II
- Treble Choir/Mixed Choir/  
Voice Class
- Digital Music

#### SPEAKER SERIES

- Graphic Designer
- Art Teacher/Music Teacher
- Photographer
- Architect

#### FIELD TRIPS

- Shea's Theatre
- New Bird Design
- Buffalo News
- Castellani Art Museum



### PLTW + ADVANCED MANUFACTURING

#### COURSEWORK

- Digital Electronics
- Computer Integrated Manufacturing
- Physics

#### SPEAKER SERIES

- Engineer
- Automotive Technician
- Truck Driver
- Machine Operator
- Drafter

#### FIELD TRIPS

- ECC Engineering Days
- Speed Global
- Tapecon
- Northland
- Quakenbush Inc.



### HEALTH + HUMAN SERVICES

#### COURSEWORK

- Chemistry
- Medical Terminology I & II
- Psychology/Sociology

#### SPEAKER SERIES

- Medical Examiner
- Pharmacist
- Nursing
- Physical Therapist
- Zoologist

#### FIELD TRIPS

- Twin City Ambulance
- UNYTS
- Mercy Flight
- Niagara Falls Aquarium
- Connect Life
- Riverside Chiropractic

*Plus*



**SPEAKER SERIES  
JOB SHADOWS  
RESUME REVIEW**

**+**

**FIELD TRIPS  
CAREER CONVENTION  
ETIQUETTE LUNCHEON**



# SENIOR YEAR

in the Early College and Career Pathways program.



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# SENIOR YEAR

## REQUIRED COURSES:

*English 12 (CWP102), Participation in Government, Economics, and Physical Education*  
Optional: *College Math II (MT126), Calculus (MT181), Statistics (MT143)* for college credit.

- Complete remaining coursework specific to **your chosen Pathway**.
- Complete your **Senior Internship**, the culminating experience of ECCP.
- Apply for an **Associate's** (AS/AAS) or **Bachelor's** (BA/BS) Degree Program, choose a **certificate program** or enter the **workforce**.



## BUSINESS + TECHNOLOGY

### COURSEWORK

- Sports Marketing + Management
- Music Business
- Career Exploration Internship Program
- Buffalo State College on-campus coursework

### SPEAKER SERIES

- Police Officer
- Corrections Officer
- Entrepreneur
- Computer Programmer
- Accountant

### FIELD TRIPS

- Buffalo Fire Department
- Microsoft
- NYS Troopers
- NYS Courts
- Rich Products



## ARTS + COMMUNICATION

### COURSEWORK

- Digital Music
- Advanced Music Theory
- Symphonic Band/Jazz Ensemble
- Treble Choir/Mixed Choir/Voice Class
- Buffalo State College on-campus coursework

### SPEAKER SERIES

- Graphic Designer
- Art Teacher/Music Teacher
- Photographer
- Architect

### FIELD TRIPS

- Shea's Theatre
- New Bird Design
- Buffalo News
- Castellani Art Museum



## PLTW + ADVANCED MANUFACTURING

### COURSEWORK

- Civil Engineering + Architecture
- SUNY Erie on-campus coursework

### SPEAKER SERIES

- Engineer
- Automotive Technician
- Truck Driver
- Machine Operator
- Drafter

### FIELD TRIPS

- ECC Engineering Days
- Speed Global
- Tapecon
- Northland
- Quakenbush Inc.



## HEALTH + HUMAN SERVICES

### COURSEWORK

- Anatomy + Physiology
- SUNY Erie on-campus coursework

### SPEAKER SERIES

- Medical Examiner
- Pharmacist
- Nursing
- Physical Therapist
- Zoologist

### FIELD TRIPS

- Twin City Ambulance
- UNYTS
- Mercy Flight
- Niagara Falls Aquarium
- Connect Life
- Riverside Chiropractic

*Plus*



**FIELD TRIPS**  
**SENIOR EXPERIENCE**  
**MOCK INTERVIEWS**

**+**


**SPEAKER SERIES**  
**INTERNSHIP**  
**ETIQUETTE LUNCHEON**



# PARENT SUPPORT

*How you can help!*

## EACH YEAR

- ☐ Attend one RALPH Community Night event.
- ☐ Routinely monitor the Parent Portal to check on your student's progress.
- ☐ Communicate with teachers through Remind, email, phone or your student's Teams account.
- ☐ Encourage your student to get involved in an extracurricular/athletic activity.
- ☐ Familiarize yourself with the course catalog.
- ☐ Review the Career and Counseling Center Newsletter. 
- ☐ Set up a meeting with your student's school counselor to review:
  - How-To prepare + register your student for PSAT/SAT/ACT
  - Student transcript
  - Community service hours (40 hours required for graduation)
  - High School credit completion
  - Post-secondary options.

[www.csat-k12.org](http://www.csat-k12.org)

*See Poster*

## FRESHMAN

- ☐ Talk to your student about the *Summer Bridge Program* at SUNY Buffalo State College. 

## SOPHOMORE

- ☐ Talk to your student about their Pathway choice and ensure they are on track to start taking Pathway-specific college courses in Junior year.

## JUNIOR

- ☐ Prepare your student for the interview process by securing two or more professional dress outfits and identifying an adult family member or friend who can practice with student.
- ☐ Have conversations with your student about their post-secondary options, including certificate programs, associate's and bachelor's degrees.

## SENIOR

- ☐ Prepare your student to begin the college admissions process.
- ☐ Take your student on a college visit and attend the CSAT financial aid event.
- ☐ Review your student's resume and help them practice their interviewing skills.
- ☐ Ensure your child has completed 40 hours of community service.

