



Information Technology

Pathways in **Information Technology** prepare students for occupations in the fields of computer programming, software applications development, web design, and computer repair/installation. Students have the opportunity to design, develop, and manage different types of software programs and hardware.

CAREER PATHWAYS

- Game Programming
- Networking
- Web Design & Development

SAMPLE CAREERS

- Software Engineer
- Web Designer/Developer
- Multimedia Producer
- Network Administrator
- Database Manager
- Security Analyst



Law & Public Safety

In **Law & Public Safety** pathways, students are introduced to careers in law and criminal justice. Students are provided in-depth exposure to topics including criminal justice, law enforcement, family law, and forensic science. This pathway is a great fit for students who want to serve their communities and get real-life experience in courtrooms, law enforcement, and crime scene investigation.

CAREER PATHWAYS

- Chicago Police & Firefighter Training Academy
- Pre-Law

SAMPLE CAREERS

- Attorney
- Police Officer
- Paramedic
- Fire Fighter
- Judge
- Paralegal



Manufacturing & Pre-Engineering

Pathways in **Manufacturing & Pre-Engineering** develop students' science, technology, engineering, and math skills. Students learn the process of designing, assembling, and packaging items that we use every day. Computer technology and state-of-the-art machines are used to develop and strengthen knowledge and understanding of concepts learned in the classroom.

CAREER PATHWAYS

- Machine Technology
- Pre-Engineering

SAMPLE CAREERS

- Machinist
- Welding Technician
- Quality Technician
- Manufacturing Engineer
- Production Engineer
- Environmental Engineer



Media & Communication Arts

Pathways in **Media & Communication Arts** introduce students to the ever-growing array of new media forms. Students who are interested in becoming producers, directors, journalists, website designers, and multimedia artists can explore their interests in these pathways.

CAREER PATHWAYS

- Broadcast Technology
- Digital Media

SAMPLE CAREERS

- Actor/Actress
- Journalist
- Graphic Designer
- Video Producer
- Audio Engineer
- Costume Designer
- Social Media Marketing/ Management



Personal Care Services

The **Personal Care Services** pathways prepare students for careers in the professional hair and beauty industry by providing real world experiences in state-of-the-art cosmetology and barbering labs. Students participate in citywide events and activities that provide the opportunity to earn the hours they need to get their state license.

CAREER PATHWAYS

- Barbering
- Cosmetology

SAMPLE CAREERS

- Barber
- Make-up Artist
- Stylist



Transportation

Students in **Transportation** pathways are prepared for careers in which they plan, manage, and move people, materials and products by road, air, rail and water. These pathways prepare students to work on cars and trucks and navigate airplanes in a fast growing industry.

CAREER PATHWAYS

- Automotive Technology
- Auto Body Repair
- Aviation
- Diesel Technology

SAMPLE CAREERS

- Automotive Technician
- Truck Driver
- Pilot
- Air Traffic Controller
- Drone Operator



Can students with Individual Education Plans (IEP) or 504 Plans participate in CTE?

Yes! All students have equal access to programs, activities, and services. Parents and students should speak with their school's Case Manager to select a program that is the right fit for them.



Get involved!

at a school near you! Visit

www.cps.edu/academics/career-and-technical-education/

to learn more about pathway locations!



Guide to CTE

An overview of Career & Technical Education pathways at the Chicago Public Schools





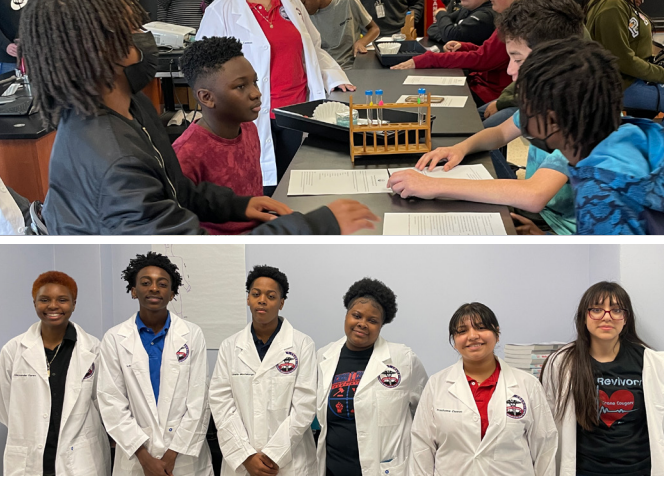
What is Career & Technical Education? Career & Technical Education (CTE) is a collection of high school programs that prepare students for college and career success by providing core academics, employability skills, and technical skills. As part of their CTE program, students may earn industry certifications and/or earn college credit in addition to a high school diploma. Students can graduate better prepared for high skill, high wage, and in-demand careers and all other post-secondary options.

What are the benefits of CTE?

- ✓ Industry certifications
 - Saving students hundreds of dollars
- ✓ Summer internships
 - Get experience working at top companies such as Lurie Children's Hospital or Chase
- ✓ College Credit
 - Students may start college with credits towards a degree

How can students apply to CTE?

- 8th graders apply online at go.cps.edu
- 9th & 10th graders should speak with their high school counselor to sign up



CAREER & TECHNICAL EDUCATION

Agricultural Sciences

Students studying **Agricultural Sciences** learn the science, business, and technology involved in plant and animal production. In the classroom, students learn concepts involved in improving the quality and safety of food; caring for animals; managing agriculture business; and cultivating natural resources. Students then put theories into practice working on a farm, in a kitchen, or green house.

CAREER PATHWAYS	<ul style="list-style-type: none">• Agricultural Applied Biology• Agricultural Business• Agricultural Mechanics• Animal Science	<ul style="list-style-type: none">• Food Science• Horticultural Science• Natural Resource Management
SAMPLE CAREERS	<ul style="list-style-type: none">• Food Scientist• Agricultural Teacher• Biochemist	<ul style="list-style-type: none">• Environmental Engineer• Animal Scientist• Agricultural Sales Director



CAREER & TECHNICAL EDUCATION

Business

Business pathways are designed to prepare students for careers in accounting, banking, insurance, and financial management. Students learn to plan, organize, direct, and evaluate operations so they can run a successful business. Students participate in competitive events through Business Professionals of America (BPA) and Network For Teaching Entrepreneurship (NFTE).

CAREER PATHWAYS	<ul style="list-style-type: none">• Accounting• Entrepreneurship• Marketing
SAMPLE CAREERS	<ul style="list-style-type: none">• Entrepreneur• Operations Manager• Personnel Recruiter• Banker• Accountant• Loan Officer



CAREER & TECHNICAL EDUCATION

Education & Training

Pathways in **Education and Training** focus on the development of excellent teachers and caretakers. Students learn current educational theories and put their knowledge into practice by working in elementary schools and local daycares.

CAREER PATHWAYS	<ul style="list-style-type: none">• Teaching
SAMPLE CAREERS	<ul style="list-style-type: none">• Teacher• School Counselor• Corporate Trainer• Principal• College Professor• Coach



CAREER & TECHNICAL EDUCATION

Architecture & Construction

In **Architecture and Construction** pathways, students gain the project management and technical skills needed to turn plans into products. Students get hands-on experience working with power tools, rendering blueprints, and managing projects. Each pathway focuses on one specific field related to architecture and construction.

CAREER PATHWAYS	<ul style="list-style-type: none">• Architecture• Carpentry• Chicago Builds	<ul style="list-style-type: none">• Electricity• HVAC & Refrigeration• Welding
SAMPLE CAREERS	<ul style="list-style-type: none">• Contractor• Electrician• Carpenter	<ul style="list-style-type: none">• Architect• Heavy Equipment Operator• Welder



CAREER & TECHNICAL EDUCATION

Culinary & Hospitality

The **Culinary and Hospitality** pathways prepare students for careers in management, marketing, and operations. Students are provided with opportunities to practice managing employees; assembling and preparing a restaurant menu; and developing exceptional customer service skills. Culinary and Hospitality pathways prepare students for success in any customer oriented field.

CAREER PATHWAYS	<ul style="list-style-type: none">• Culinary Arts
SAMPLE CAREERS	<ul style="list-style-type: none">• Chef• Food Service Manager• Restaurant Manager• Nutritionist



CAREER & TECHNICAL EDUCATION

Health Sciences

In **Health Sciences** pathways, students learn medical terminology; study human anatomy; and investigate the prevention, treatment, and management of illnesses. Health Science exposes students to a myriad of careers in healthcare and to a future that is dedicated to helping others.

CAREER PATHWAYS	<ul style="list-style-type: none">• BioMedical• Health Science
SAMPLE CAREERS	<ul style="list-style-type: none">• Pediatrician• Occupational Therapist• Veterinarian• Physical Therapist• Hospital Administrator• Microbiologist

