



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

- CISCO Networking
- Computer Programming
- Game Programming
- IT Applications
- Oracle/Database Programming
- Web Design

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

- CPFTA
- 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

- Manufacturing Technology
- 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



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 items through a range of transportation services. These pathways prepare students to work on cars and trucks in a fast growing industry.

CAREER PATHWAYS

- Automotive Technology
- Auto Body Repair
- Diesel Technology
- Logistics

SAMPLE CAREERS

- Logistics Manager
- Warehouse Manager
- Automotive Technician
- Truck Driver



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 ChooseYourFuture.org
to learn more about pathway
locations!



CHOOSE
YOUR
FUTURE



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 life-long success. Students receive a college-prep education as well as technical skills that allow them to graduate from high school with more than a high school diploma.

What are the benefits of CTE?

- ✓ Industry certifications
 - Saving students hundreds of dollars
- ✓ Summer internships
 - Get experience working at top companies such as Lurie's 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 ChooseYourFuture.org
- 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	• Agricultural Business	• Animal Science
	• Agricultural Education	• Food Science
	• Agricultural Mechanics	• Horticultural Science
SAMPLE CAREERS	• Food Scientist	• Environmental Engineer
	• Agricultural Teacher	• Animal Scientist
	• Biochemist	• Agricultural Sales Director



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 blue prints, and managing projects. Each pathway focuses on one specific field related to architecture and construction.

CAREER PATHWAYS	• Architecture	• HVAC & Refrigeration
	• Cabinet Making	• Plumbing
	• Carpentry	• Welding
	• Electricity	
SAMPLE CAREERS	• Contractor	• Architect
	• Electrician	• Heavy Equipment Operator
	• Carpenter	



CAREER & TECHNICAL EDUCATION



Business

Business pathways are designed to prepare students for careers in accounting, banking, insurance, and financial mangement. 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 (NTE).

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



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• Hospitality Management		
SAMPLE CAREERS	<ul style="list-style-type: none">• Chef• Food Service Manager• Restaurant Manager		
	<ul style="list-style-type: none">• Hotel Management• Club Manager• Nutritionist		



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



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	• Allied Health		• Medical & Health Careers
	• Medical Assisting		
SAMPLE CAREERS	• Pediatrician		• Physical Therapist
	• Occupational Therapist		• Hospital Administrator
	• Veterinarian		• Microbiologist

