

ARD Resource Guide



CTE
PASADENA ISD

Career and Technical Education
Pasadena Independent School District

Table of Contents

Programs by Campus	3
Pathway Charts	4–14
Certification Information	15–19
Course Prerequisites	20–21

For the most up to date version of this document,
please click the QR code.



PASADENA ISD

Career & Technical Education



Courses

- 29 unique career course pathways/sequences
- 125 CTE courses in middle and high schools
- 50 advanced CTE Courses



Enrollment

- 10,000+ students enrolled in a CTE course
- 86% high school students currently enrolled in CTE
- 8 Career & Technical Student Organizations



Certifications

- 65+ industry certifications/licensures available to CTE Students
- 3,000+ annual student earned industry certifications/licensures



CTE Student Inclusions

- 56% at risk
- 74% economically disadvantaged

PASADENA ISD

Career & Technical Education

- **Tanya Hagar – Executive Director**

thagar@pasadenaisd.org

- **Janna Martin – Coordinator**

jamartin@pasadenaisd.org

- Agriculture
- Business
- Fashion Design
- Criminal Justice
- Cosmetology
- Engineering
- Education & Training
- Computer Science
- Process Technology

- **Charles Canales – Coordinator**

ccanales@pasadenaisd.org

- Architecture/Construction
- Electrical/Instrumentation
- Audio/Visual Production
- Small Engine Repair
- Auto Collision
- Graphic Design
- Health Science
- Auto Tech
- Marketing
- Info Tech

- **Andrea Lynn – Specialist**

alynn@pasadenaisd.org

- Culinary Arts
- Maritime

- **Ezequiel Garcia - Business Partner Liaison**

ezgarcia@pasadenaisd.org

- Welding



Programs by Campus

	CTHS	DHS	PHS	PMHS	SRHS	SHHS	TEG
AG Mechanics		•	•		•		
Animal Science		•	•	•	•		
Auto Technology	•						
Business	•	•	•	•	•	•	•
Collision Repair	•						
Computer Maint/Networking	•						•
Computer Science	•	•	•	•	•	•	•
Construction	•		•			•	
Cosmetology	•						
Criminal Justice	•						
Culinary Arts	•	•	•	•	•	•	
Education Training	•	•		•	•	•	
Electrical Instrumentation	•						
Engineering	•		•	•	•	•	
Fashion Design					•		
Graphic Design	•	•		•		•	•
Health Science	•	•	•	•	•	•	•
Maritime/Port Operations	•						
Marketing		•		•	•	•	
Outdoor Life	•	•	•	•	•	•	
Process Technology		•	•	•	•	•	
Small Engine					•		
Veterinary Science	•						
Video Production	•	•	•	•	•	•	
Welding	•			•			•

Agriculture, Food, and Natural Resources

Business and Industry Endorsement

Do you...

- have good customer service skills and enjoy working with the public?
- enjoy working with animals?
- have good critical thinking skills?
- notice a problem and enjoy figuring out the best way to solve it?
- like activities that include practical, hands-on problems and solutions?

Then invest in your future with a career in Agriculture, Food, and Natural Resources!

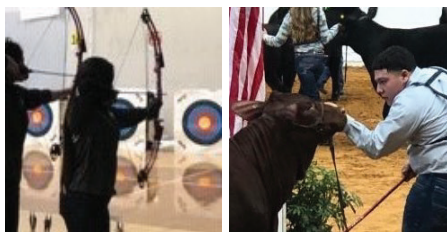
From working with families engaged in agriculture to large governmental agencies, there is a growing need for individuals who recognize the importance of the advancement, preservation, and conservation in agriculture.

Career and Technical Education



Programs of Study

Animal Science
Applied Agriculture Engineering
Environmental and Natural Resources



Fastest Growing Careers

Industrial Ecologist
Precision Agriculture Technician
Environmental Economist

Highest Paying Careers

Environmental Economist	\$185,020
Agricultural Engineer	\$160,950
Industrial Ecologist	\$124,760
Veterinarian	\$160,780
Soil/Water Conservationist	\$98,060

Careers To Consider

4 Year College Degree & Higher:

Agricultural Engineer
Environmental Economist
Industrial Ecologist

2-Year College Degree:

Agriculture Technician
Soil & Water Conservationist
Veterinary Technologist

Certification and HS Diploma:

Agricultural Inspector
Veterinary Assistant

Programs of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Applied Ag Engineering (Ag Mechanics Pathway) DHS, PHS, PMHS, SRHS	Principles of Agriculture, Food, and Natural Resources	Ag Mechanics and Metal Tech	Ag Equipment Design and Fabrication	Practicum in Agriculture, Food, and Natural Resources
Animal Science (Animal Science Pathway) DHS, PHS, PMHS, SRHS	Principles of Agriculture, Food, and Natural Resources	Small Animal Management Equine Science	Livestock Production	Practicum in Agriculture, Food, and Natural Resources
Animal Science (Vet Science Pathway) CTHS	Principles of Agriculture, Food, and Natural Resources	Agriculture Business Small Animal Management	Vet Med Applications Advanced Animal Science	Practicum in Agriculture, Food, and Natural Resources
Environmental and Natural Resources (Outdoor Ed Pathway) CTHS, DHS, PHS, PMHS, SHHS, SRHS	Outdoor Education	Outdoor Wildlife	Outdoor Range Management	Practicum in Outdoor

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

American Welding Society
Beef Quality Assurance
Certified Veterinary Assistant
NCCER Core
OSHA 10
Texas State Floral Association



Career and Technical Student Organization

FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth and career success through agricultural education. FFA develops members' potential and helps them discover their talent through hands-on experience, which give members the tools to achieve real-world success.



Non-Discrimination Notice



Architecture and Construction

Business and Industry Endorsement

Do you...

help do projects around the house, like building a bookshelf or laying floor tile?

like to repair broken items and learn how they work?

like to help rewire things and make them work?

dream of designing your own building or home?

Then get ready for a career that is built to last with Architecture and Construction!

Work in the Construction industry can lead to all kinds of jobs ranging from carpentry and masonry to 3-D interior design and computer programs that can control the internal environment of commercial office buildings.

Career and Technical Education



Programs of Study

Carpentry
Electrical



Fastest Growing Careers

Construction Manager, Architect, Interior Designer, Civil Engineer, Metal Worker, Cost Estimator, Electrical Lineman, Civil Engineer, and Electrician

Highest Paying Careers

Electrical Engineer	\$108,130
Construction Manager	\$97,180
Civil Engineer	\$95,380
Architect	\$92,940
Electrician for Govt	\$62,110

Careers To Consider

4 Year College Degree & Higher:
Construction Manager, Civil Engineer, Architect, Project Estimator, Industrial Engineer, Interior Designer

2-Year College Degree:
Contractor, Code Official, Foreman, General Contractor, Builder, Interior Designer

Certification and HS Diploma:
Carpenter, Mason, Electrician, Drywall Installer, Design Assistant, Lead Carpenter

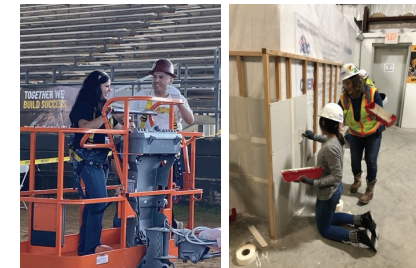
Programs of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Carpentry (Construction Pathway) CTHS, PHS, SHHS	Principles of Architecture	Basic Architecture	Construction Technology I	Construction Technology II
Electrical (Electrical and Instrumentation Pathway) CTHS	Principles of Construction	Electrical Technology I	Electrical Technology II	Practicum in Construction Technology

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

NCCER Core Curriculum
NCCER Carpentry, Level 1
NCCER Carpentry, Level 2
NCCER Electrical, Level 1
NCCER Electrical, Level 2
OSHA 10



Career and Technical Student Organization—SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes, and pride in workmanship and prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



Arts, A/V Technology, and Communications

Business and Industry Endorsement

Do you...

wonder what happens behind the scenes of your favorite show?

create new ideas, write stories, or design brochures?

have a passion for the creative arts?

enjoy working with computers?

love fashion and design?

Then start designing your dreams and create your career in Arts, A/V Technology, and Communications!

Combine your natural talents, self expression, technical skills and hands-on experience to prepare for a career in this field. Learn skills used in industry to produce TV broadcasts, advertising, video productions, or fashion design. Learn graphic design technology used in today's leading industries.

Career and Technical Education



Programs of Study

Design and Multimedia Arts
Digital Communications



Fastest Growing Careers

Audio/Video Equipment Technician,
Sound Engineering Technician, Graphic
Designer, Multimedia Artist and
Animator.

Highest Paying Careers

Motion Picture Dir.	\$84,770
Technical Writer	\$74,020
Fashion Designer	\$72,720
Animator	\$72,520
Industrial Designer	\$66,590
Graphic Designer	\$51,380

Careers To Consider

4 Year College Degree & Higher:

Production Manager, Curator,
Conductor, Screenwriter,
Journalist, Fashion Designer,
Animator

2-Year College Degree:

Performer, Photographer, Graphic
Illustrator, Display Designer,
Audio Systems Technician

Certification and HS Diploma:

Production Assistant, Set
Assistant, Sales Associate, A/V
Assistant

Programs of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Digital Communications (Video Production Pathway) CTHS, DHS, PHS, PMHS, SHHS, SRHS	Principles of Arts, A/V Technology, and Communications	Audio Video Production I	Audio Video Production II with Lab	Practicum in Audio/Video Production
Design and Multimedia Arts (Graphic Design Pathway) CTHS, DHS, TEG, PMHS	Principles of Arts, A/V Technology, and Communications	Graphic Design & Illustration I	Graphic Design & Illustration II with Lab	Practicum in Graphic Design
Design and Multimedia Arts (Fashion Design Pathway) SRHS	Principles of Arts, A/V Technology, and Communications	Fashion Design I	Fashion Design II with Lab	Practicum in Fashion Design

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Adobe Certified Associate - Illustrator
Adobe Certified Associate - Photoshop
Adobe Certified Associate - Premier Pro



Career and Technical Student Organization—SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes, and pride in workmanship. SkillsUSA prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



Business, Marketing and Finance

Business and Industry Endorsement

Business, Marketing
and Finance
Program of Study

Pasadena ISD Pathways
Accounting & Financial Services
Business Management
Business Related—Job
Marketing




Do you...

- plan to run your own business?
- like to take charge in group projects?
- have good customer service skills and enjoy working with the public?
- work well with math and numbers?
- have good critical thinking skills?
- like leading, making decisions and business?

Then invest in your future with a career in **Business, Marketing, and Finance!**

From small business owners to global corporate headquarters, there is a growing need for employees with strong financial, organizational, time management, and communication skills.

 **Career and Technical
Education
Pasadena ISD**

Fastest Growing Careers

Actuaries
Marketing Managers
Management Analysts

Highest Paying Careers

Marketing Manager	\$136,850
Financial Managers	\$129,890
Actuary	\$108,350
Management Analyst	\$85,260
Budget Analyst	\$76,540

Careers To Consider

4 Year College Degree & Higher:

Management Analyst
Accountant
Cost Estimator

2-Year College Degree:

Purchasing Clerk
Sales Agent
Bookkeeper

Certification and HS Diploma:

Auditing Clerk
Account Collector

Career Pathways in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Accounting and Financial Services CTHS	Principles of Business	Business Information Management I	Accounting I Entrepreneurship	Practicum in Business Management
Business Management DHS, PHS, PMHS, SRHS, SHHS, Tegeler	Principles of Business	Business Information Management I	Business Information Management II	Practicum in Business Management
Business Related-Job	Principles of Business	Business Information Management I	Any Business Course Or Practicum in Business Management EXT	Practicum in Business Management EXT Or Practicum in Business Management EXT II
Marketing DHS, PMHS, SRHS, SHHS	Principles of Business Mktng and Finance	Social Media Marketing Sports Entertainment Marketing	Sports Mktng II Advertising Career Prep I Career Prep 1 EXT Market Dyn EXT	Retail Mgmt Pract in Mktng Career Prep 2 Career Prep 2EXT

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Microsoft Specialist—Word	Microsoft Expert—Word
Microsoft Specialist—Excel	Microsoft Expert—Excel

Career and Technical Student Organization

The mission of **Business Professionals of America** is to develop and empower student leaders to discover their passion and change the world by creating unmatched opportunities in learning, professional growth and service through education, competition, community service and personal development.



The **Distributive Education Clubs of America (DECA)** prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools.



**INDEPENDENT
SCHOOL DISTRICT**

Human Services

Public Service Endorsement

Do you...

- enjoy teaching others how to perform a task?
- help friends and family with their hair or makeup?
- have the patience to care for children and adults?
- have good active listening skills and ask questions?
- have good customer and personal service skills?
- listen to friends' problems and give advice?

Then you should make an impact on others with a career in Human Services!

Work in the Human Services industries can lead to all kinds of jobs improving the quality of life or others. These jobs range from working in a pre-school to being a counselor, personal trainer, or a cosmetologist.

Career and Technical Education



Program of Study

Cosmetology and Personal Care Services



Fastest Growing Careers

Skincare Specialist
Spa Manager

Highest Paying Careers

Post Secondary CTE Teacher	\$99,230
Spa Manager	\$66,150
Skincare Specialist	\$62,540
Cosmetologist	\$51,870

Careers To Consider

4 Year College Degree & Higher:
Personal Service Worker Supv.
Post Secondary CTE Teacher

2-Year College Degree:
Health and Wellness Coach
Personal Service Worker Supv.
Salon Manager
Spa Manager

Certification and HS Diploma:
Skincare Specialist
Manicurist & Pedicurist
Cosmetologist

Program of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Cosmetology and Personal Care Services (Cosmetology Pathway) CTHS	Principles of Cosmetology	Introduction to Cosmetology	Cosmetology I	Cosmetology II

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Cosmetology, Operator License



Career and Technical Student Organization—SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship and prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



Education and Training

Public Service Endorsement

Do you...

like talking to others and asking good questions?

enjoy teaching people how to do things?

understand people's reactions and look for ways to help people?

notice a problem and figure out the best way to solve it?

have empathy for and develop positive relationships with others?

Then make a significant impact in the lives of others with a career in Education and Training!

A career in Education and training will allow you to ensure student success in whatever subject area you teach. You can help shape the future of society through teaching children or adults new skills.

Career and Technical Education



Program of Study

Teaching and Training



Fastest Growing Careers

Counselor
Speech Pathologist
Audiologist
Training & Development Specialist

Highest Paying Careers

Principal/Educational Admin	\$96,400
Speech Pathologist	\$79,120
Audiologist	\$77,600

Careers To Consider

4 Year College Degree & Higher:

Post Secondary Teacher
K-12 School Teacher
Educational Administrator
Educational Counselor

2-Year College Degree:

Childcare Supervisor
Fitness Trainer

Certification and HS Diploma:

Teacher Assistant
Pre-School Teacher

Program of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Teaching and Training (Education and Training Pathway) CTHS, DHS, PMHS, SHHS, SRHS	Principles of Education and Training	Human Growth and Development	Instructional Practices	Practicum in Education and Training

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Educational Aide I
Para Pro

Career and Technical Student Organizations

The Texas Association of Future Educators is a co-curricular statewide student organization created to allow young men and women an opportunity to explore the teaching profession. TAFE encourages students to learn about careers in education and assists them in exploring the teaching profession while promoting character, service, and leadership skills necessary for becoming effective educators.



FCCLA's mission is to promote personal growth and leadership development. Participating students are encouraged to get involved as individuals or as a group in helping achieve global cooperation and harmony, promote greater understanding between youth and adults and prepare for multiple roles in today's society.



Non-Discrimination Notice



INDEPENDENT SCHOOL DISTRICT

Health Science

Public Services Endorsement

Do you...

- want to learn how the human body works?
- like performing lab experiments in school?
- like helping people?
- have an interest in science?

Then get ready to diagnose your future and start a healthy career in Health Science!

Health Science is the fastest-growing sector in today's job market and offers some of the highest paying careers. As the country's population ages and more people need health services, opportunities expand for healthcare workers. If you like working with people and excel in math, science, and communications, then you may have what it takes for a career in Health Science.

Career and Technical Education

Programs of Study

Health Care Diagnostics



Fastest Growing Careers

Phlebotomist, Diagnostic Medical Sonographer, Surgical Tech, Dental Assistant, Radiologic Tech, Physical Therapy Assistant, Recreational Therapist

Highest Paying Careers

Anesthesiologist	\$267,020
Surgeon	\$255,110
Physician	\$203,880
Dentist	\$151,850
Pharmacist	\$124,760
Optometrist	\$107,370

Careers To Consider

4 Year College Degree & Higher:

Surgeon, Anesthesiologist, Physician, Radiologist, Dentist, Optometrist, Pharmacist

2-Year College Degree:

Dental Hygienist, Paramedic, Nuclear Medical Technologist, MRI Technician

Certification and HS Diploma:

Certified Medical Assistant, Pharmacy Tech, EKG Tech, Registered Dental Assistant, Emergency Medical Tech

Programs of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Healthcare Diagnostics (Health Science Pathway) CTHS, DHS, PHS, PMHS, SHHS, SRHS	Principles of Medical Terminology	Introduction to Health Science	Health Science Theory or Health Science Clinicals	Practicum in Health Science (EKG)
Healthcare Diagnostics (CMA, Dental Assistant, EMT, Pharm Tech Pathways) CTHS	Principles of Medical Terminology	Introduction to Health Science	Health Science Theory and Health Science Clinicals	Practicum in Health Science (CMA or Dental Assistant or EMT or Pharmacy Technician)

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

- Certified Medical Asst (CMA)
- Community Emergency Response Team (CERT)
- EKG Technician (EKG)
- Emergency Medical Technician (EMT)
- First Aid & CPR
- Pharmacy Technician (CPHT)
- Registered Dental Assistant (RDA)
- Sterile Processing and Distribution Technician



Career and Technical Student Organization—HOSA

Health Occupations Students of America is the national organization for students in the Health Science pathway. The mission of HOSA is to empower future health professionals to become leaders in the global health community through education, collaboration, and experience.



Non-Discrimination Notice



INDEPENDENT SCHOOL DISTRICT

Hospitality and Tourism

Business and Industry Endorsement

Do you...

prepare meals for yourself,
family and friends?

enjoy working and helping
people?

have a passion for food?

enjoy travel and visiting
attractions?

like being in charge of planning
activities or events at home or
at school?

**Then start catering to your
future and cook up a career in
Hospitality and Tourism!**

Combine your natural talents
and help others have a good time.
From start-up jobs in restaurants
to corporate management of
multi-million dollar hotel chains,
Hospitality and Tourism offers
engaging work in beautiful
surroundings.

**Career and Technical
Education**



Program of Study

Culinary Arts



Fastest Growing Careers

Restaurant Manager, Chef, Head Cook,
Food Service Manager, Special Food
Services, Lodging Manager

Highest Paying Careers

Restaurant Manager	\$104,240
Chef/Head Cook	\$81,150
Special Food Services	\$61,530
Food Service Manager	\$54,240
Lodging Manager	\$53,390

Careers To Consider

4 Year College Degree & Higher:
Food Service Administrator
Hospitality Management
Hotel/Restaurant Management

2-Year College Degree:
Assistant Manager, Catering
Management, Chef Training,
Hotel/Restaurant

Certification and HS Diploma:

Food Preparation
Food Server
Head Cook
Chef

Program of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Culinary Arts (Culinary Arts Pathway) CTHS, DHS, PHS, PMHS, SHHS, SRHS	Principles of Hospitality and Tourism	Introduction to Culinary Arts	Culinary Arts	Practicum in Culinary Arts

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certification

ServSafe Manager

Career and Technical Student Organizations

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship and prepares students for employment by introducing them to corporate quality culture.



FCCLA's mission is to promote personal growth and leadership development. Participating students are encouraged to get involved as individuals or as a group in helping achieve global cooperation and harmony, promote greater understanding between youth and adults and prepare for multiple roles in today's society.



ProStart's industry-driven curriculum provides real life experience opportunities, builds practical skills, and establishes a foundation that will last a lifetime. This organization unites the foodservice industry and the classroom to teach high school students culinary skills and restaurant management principles, as well as employability skills such as communication, teamwork, professionalism and time management.



Non-Discrimination Notice



INDEPENDENT
SCHOOL DISTRICT

Information Technology

Business and Industry Endorsement

Do you...

- install software on computers?
- serve as webmaster for your club or student organization?
- help family and friends to connect equipment such as speakers and wires?
- like helping people?
- know how to write a computer program?

Then get ready to log into your future with a career in Information Technology!

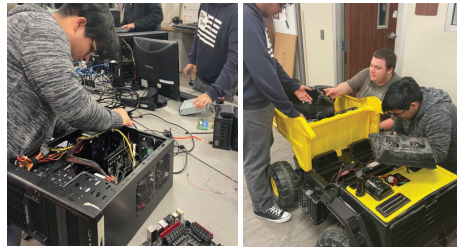
Information Technology (IT) has transformed the business world and talented IT specialists play an important role in this industry. If you have strong math skills, an eye for detail, and love creative problem solving, then Instructional Technology may be your future!

Career and Technical Education



Program of Study

Networking Systems



Fastest Growing Careers

Computer Systems Analyst, Computer Network Architect, Network Support Specialist, Computer Programmer, Software Designer

Highest Paying Careers

Chief Information Officer	\$157,810
Computer Software Engineer	\$114,320
Computer Network Architect	\$109,020
Computer Programmer	\$103,530
Computer Systems Analyst	\$ 91,520

Careers To Consider

4 Year College Degree and Higher:

Software Engineer
Gaming Programmer
Operating Systems Engineer
Systems Analyst

2-Year College Degree:

Help Desk Specialist
Telecommunications Manager
LAN Administrator

Certification and HS Diploma:

Computer Technician, Cabling Installer, Electronic Sales Representative, Networking Specialist

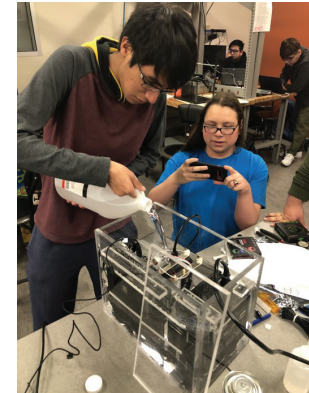
Program of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Networking Systems (Computer Maintenance/Networking Pathway) CTHS & Tegeler	Principles of Information Technology	Computer Maintenance	Networking Lab	Practicum in Information Technology

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Microsoft Technology Associate
Windows Operating Systems Fundamentals
CompTIA A+
CompTIA IT Fundamentals +



Career and Technical Student Organization—SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship and prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



Law And Public Service

Public Service Endorsement

Do you...

- stay calm in difficult situations?
- enjoy leadership positions?
- like to keep people safe from danger?
- have good active listening skills and ask questions?
- have good customer and personal service skills?
- like to watch crime and law shows on TV?

Then you should make an impact on your community with a future in Law and Public Service!

A career in law offers rewarding opportunities not available in other industries. Jobs range from police officers and investigators to judges and lawyers. If you enjoy helping and protecting others, take aim at a career in Law and Public Service.

**Career and Technical
Education**



Program of Study

Law Enforcement



Fastest Growing Careers

Attorney, Law School Professor, Legal Support Worker, Police Officer, Sheriff Deputy, and Forensic Investigator

Highest Paying Careers

Judge	\$133,920
Lawyer	\$120,910
Law School Professor	\$111,140
Police Detective	\$87,130
Criminal Investigator	\$81,920

Careers To Consider

4 Year College Degree & Higher:

Judge
Lawyer
Law School Professor

2-Year College Degree:

Police Detective
Court Reporter

Certification and HS Diploma:

Correctional Officer
Dispatcher
Code Enforcement
Security Guard

Program of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Law Enforcement (Criminal Justice Pathway) CTHS	Principles of Law, Public Safety, Corrections, and Security	Court Systems and Practices	Law Enforcement I Criminal Investigation	Practicum in Law Enforcement

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

- CPR
- Community Emergency Response Team (CERT)
- County Jailer
- International Academy of Emergency Dispatch
- Emergency Telecommunicator



Career and Technical Student Organization—SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship. SkillsUSA prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



Manufacturing

Business and Industry Endorsement

Do you...

help fix things around the house?

like to work with your hands?

like to build projects?

pay attention to detail?

want to go into industry right out of high school?

Then get ready for a career that is made to last in Manufacturing!

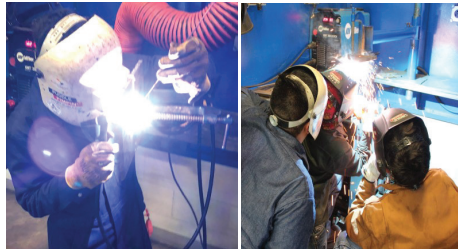
Work in the manufacturing industry can lead to all kinds of jobs ranging from an entry level welder to a pipefitter or welding inspector all the way up to a civil or industrial engineer.

Career and Technical Education



Program of Study

Welding



Fastest Growing Careers

Construction Manager
Civil Engineer
Metal Worker
Cost Estimator

Highest Paying Careers

Civil Engineer \$95,380
Industrial Engineer \$94,870
Underwater Welder \$80,000
Welding Technician \$62,000

Careers To Consider

4 Year College Degree & Higher:
General Foreman
Project Manager
Civil Engineer
Industrial Engineer

2-Year Experience/College Degree:
Supervisor
Welding Inspector
Pipefitter

Certification and HS Diploma:
Pipefitter Assistant
Entry Level Welder
Scaffold Builder
Helper

Program of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Welding (Welding Pathway) CTHS, PMHS, Tegeler	Principles of Manufacturing	Introduction to Welding	Welding I	Practicum in Welding

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

NCCER Core Curriculum
NCCER Welding, Level 1
NCCER Welding, Level 2
American Welding Society



Career and Technical Student Organization

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship and prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



INDEPENDENT SCHOOL DISTRICT

Science, Technology, Engineering, and Math

Business and Industry Endorsement

Do you...

- like making decisions and creative problem solving?
- like interacting with computers?
- enjoy taking apart and putting items back together?
- like working with numbers, symbols and ideas?
- have good critical thinking skills along with good time management skills?
- Like asking questions and generating new solutions then testing them out?

Then prepare for your future with an exciting STEM career!

Knowledge in areas of science, technology, engineering, and math can be the key to your successful future. STEM careers range from solving clean water and hunger needs globally to business and economic endeavors.



Programs of Study

Engineering
Programming and Software Development



Fastest Growing Careers

Aerospace Engineer
Environmental Engineer
Geological & Petroleum Engineer
Process Technician

Highest Paying Careers

Petroleum Engineer	\$172,570
Aerospace Engineer	\$124,430
Software Engineer	\$103,530
Marine Engineer	\$101,720

Careers To Consider

4 Year College Degree & Higher:

Biomedical Engineer
Chemical Engineer
Electrical Engineer
Mechanical Engineer

2-Year College Degree:

Drafting and Design Technology
Engineering Technician
Process Technician

Certification and HS Diploma:

Cost Estimator
Biomedical Auditor
Fluid Power Systems Designer

Programs of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Engineering (Engineering Pathway) CTHS, PHS, PMHS, SHHS, SRHS	Principles of Applied Engineering	Engineering Design and Presentation I	Engineering Design and Problem Solving Engineering Design and Presentation II (CTHS Only)	Practicum in STEM
Engineering (Process Tech Pathway) DHS, PHS, PMHS, SHHS, SRHS	Principles of Applied Engineering	Engineering Design and Presentation I	Practicum in STEM	Practicum in STEM
Programming and Software Development (Computer Science Pathway) CTHS, DHS, PHS, PMHS, SHHS, SRHS	AP Computer Science Principles	Computer Science I	AP Computer Science	Computer Science II

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Autodesk Certified User or Professional (ACU) - Inventor
Microsoft Technology Associate (MTA) Intro to Programming - Python



Career and Technical Student Organization - SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship and prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



Transportation, Distribution, and Logistics

Business and Industry Endorsement

Do you...

Like spend time using your hands and work with tools?

like making decisions and solving problems?

have good deductive reasoning and critical thinking skills?

have good active listening skills and ask questions?

have good customer and personal service skills?

Then you should steer yourself into a career in the pathway of Transportation, Distribution, and Logistics!

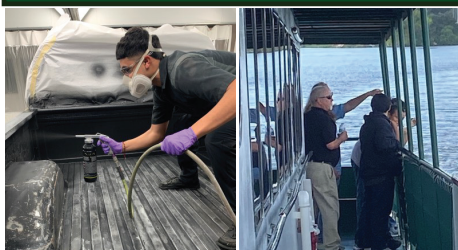
Work in the Transportation, Distribution, and Logistics industries can lead to all kinds of jobs ranging from an auto mechanic, collision and repair technician or even a logistics manager at the Port of Houston.

**Career and Technical
Education**



Programs of Study

Automotive
Distribution and Logistics



Fastest Growing Careers

Logistician, Supply Chain Manager, Storage and Distribution Manager, Automotive Body Repairer, Motorcycle Mechanic, Diesel Service Technician

Highest Paying Careers

Mechanical Engineer	\$93,080
Marine Engineer	\$92,560
Diesel Service Technician	\$72,180
Automotive Mechanic	\$66,950
Small Engine Mechanic	\$59,060
Automotive Body Repair	\$51,530

Careers To Consider

4 Year College Degree & Higher:

Mechanical Engineer
Business Administrator
Business Manager

2-Year College Degree:

General Office Occupations
Mechanical Technology Technician, Autobody
Collision and Repair

Certification and HS Diploma:

Engine Machinist, Entry-level Automotive Technician, Entry level Autobody Collision and Repair Technician, Cargo Shipper Agent

Programs of Study in Pasadena ISD

	Grade 9	Grade 10	Grade 11	Grade 12
Automotive (Auto Tech Pathway) CTHS	Principles of Transportation Systems	Automotive Basics	Automotive Technology I	Practicum in Transportation Systems
Automotive (Collision & Repair Pathway) CTHS	Principles of Transportation Systems	Basic Collision Repair	Collision Repair with Lab	Practicum in Transportation Systems
Automotive (Small Engine Pathway) SRHS	Principles of Transportation Systems	Small Engine Technology I	Small Engine Technology II	Practicum in Transportation Systems
Distribution and Logistics (Maritime Pathway) CTHS	Principles of Distribution and Logistics	Transportation Systems Management	Distribution and Logistics	Practicum in Distribution and Logistics

Please refer to the Pasadena Course Selection and Registration Guide for more information on career pathways, endorsements, course requirements, and certification opportunities offered at each high school campus.

Earn Industry Certifications

Automotive Service Excellence (ASE) Entry Level
I-Car Non-Structural Tech, Level 1
I-Car Refinishing Tech, Level 1
NCCER Core
OSHA 10
Forklift Operator



Career and Technical Student Organization—SkillsUSA

SkillsUSA is a partnership of students, teachers, and industry working together to ensure America has a skilled workforce. It teaches the importance of developing leadership skills, positive attitudes and pride in workmanship. SkillsUSA prepares students for employment by introducing them to corporate quality culture.



Non-Discrimination Notice



INDEPENDENT
SCHOOL DISTRICT

Certification Information

CTE Pathway	Certification	Current Testing Accommodations (check testing agency for most up to date)	Certifying Agency	Website	Timeframe for requesting certification exam accommodations	Testing Information
Agriculture Mechanics	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Agriculture Mechanics	NCCER – Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Agriculture Mechanics	AWS-American Welding Society *	Ext. time, reader/recorder, sign language interpreter	American Welding Society	www.aws.org/certification/documents	6 weeks before exam	Successful completion of performance tasks
Agriculture Mechanics	NCCER – Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Animal Science	Beef Quality Assurance	Accommodation requests are provided by the classroom instructor	Texas A&M Agrilife Extension	https://agrilifelearn.tamu.edu/product?catalog=ANSC-005	Accommodation requests are provided by the classroom instructor	Online modules 70% passing standard
Audio Video	Adobe Certified Associate (ACA) – Premiere Professional *	Ext. time, reader/recorder, separate testing room	Certiport	certiport.pearsonvue.com/Educator-resources/Exam-policies/Accommodations.aspx	10 business days before exam	50 minute timed exam, 31 questions, technical vocabulary, hands-on application
Auto Collision	Non-structural Technician, Level 1	All accommodations as indicated in student's IEP	I-Car	i-car.com	Accommodation requests are provided by the classroom instructor	50 questions, passing score is 80%
Auto Collision	Refinishing Technician, Level 1	All accommodations as indicated in student's IEP	I-Car	i-car.com	Accommodation requests are provided by the classroom instructor	50 questions, passing score is 80%
Auto Collision	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Auto Collision	NCCER – Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Auto Tech	ASE – Maintenance and Light Repair *	Ext. time, reader, scribe, sign language interpreter	Automotive Service Excellence	ase.com/Tests/ASE-Certification-Tests/ADA-Accommodations.aspx	several months before exam	1.5 hrs timed exam, 45 scored questions and 10 research questions that are not scored
Auto Tech	ASE - Electrical/Electronic Systems	Ext. time, reader, scribe, sign language interpreter	Automotive Service Excellence	ase.com/Tests/ASE-Certification-Tests/ADA-Accommodations.aspx	several months before exam	1.5 hrs timed exam, 50 scored questions and 10 research questions that are not scored
Auto Tech	ASE - Engine Performance	Ext. time, reader, scribe, sign language interpreter	Automotive Service Excellence	ase.com/Tests/ASE-Certification-Tests/ADA-Accommodations.aspx	several months before exam	1.25 hrs timed exam, 50 scored questions and 10 research questions that are not scored
Auto Tech	ASE - Heating and Air Conditioning	Ext. time, reader, scribe, sign language interpreter	Automotive Service Excellence	ase.com/Tests/ASE-Certification-Tests/ADA-Accommodations.aspx	several months before exam	1.25 hrs timed exam, 50 scored questions and 10 research questions that are not scored
Auto Tech	ASE - Suspension and Steering	Ext. time, reader, scribe, sign language interpreter	Automotive Service Excellence	ase.com/Tests/ASE-Certification-Tests/ADA-Accommodations.aspx	several months before exam	1 hr timed exam, 40 scored questions and 10 research questions that are not scored
Auto Tech	ASE - Brakes	Ext. time, reader, scribe, sign language interpreter	Automotive Service Excellence	ase.com/Tests/ASE-Certification-Tests/ADA-Accommodations.aspx	several months before exam	1.25 hrs timed exam, 45 scored questions and 10 research questions that are not scored
Auto Tech	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Auto Tech	NCCER – Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%

Certification Information

CTE Pathway	Certification	Current Testing Accommodations (check testing agency for most up to date)	Certifying Agency	Website	Timeframe for requesting certification exam accommodations	Testing Information
Business	Microsoft Office Expert – Excel *	Considered on a case-by-case basis	Certiport	https://certiport.pearsonvue.com/	10 business days before exam	50 minutes, 25 questions
Business	Microsoft Office Expert – Word *	Considered on a case-by-case basis	Certiport	https://certiport.pearsonvue.com/	10 business days before exam	50 minutes, 25 questions
Business	Microsoft Office Specialist (MOS) – Access *	Considered on a case-by-case basis	Certiport	https://certiport.pearsonvue.com/	10 business days before exam	50 minutes, 35 questions
Business	Microsoft Office Specialist (MOS) – Excel *	Considered on a case-by-case basis	Certiport	https://certiport.pearsonvue.com/	10 business days before exam	50 minutes, 35 questions
Business	Microsoft Office Specialist (MOS) – PowerPoint *	Considered on a case-by-case basis	Certiport	https://certiport.pearsonvue.com/	10 business days before exam	50 minutes, 35 questions
Business	Microsoft Office Specialist (MOS) – Word *	Considered on a case-by-case basis	Certiport	https://certiport.pearsonvue.com/	10 business days before exam	50 minutes, 35 questions
Business	OSHA 5 or OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Certified Medical Assistant	Certified Medical Assistant (C.M.A.) *	Based on specific request, disability, submitted documentation, and appropriateness of request	National Center for Competency Testing(NCCT)	ncctinc.com/certifications	30 days before exam	3 hours time exam, 150 scored questions and 15 unscored questions, passing rate is 70% or higher
Construction	NCCER - Carpentry Fundamentals, Level 1 *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	9 modules with 15-30 questions each and successful completion of performance tasks, passing score is 75%
Construction	NCCER – Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Construction	NCCER Carpentry Level 2	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	11 modules with 15-30 questions each and successful completion of performance tasks, passing score is 75%
Construction	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Cosmetology	Cosmetology, Operator License *	Reader, Large-print written exam, extended time, translated examination	PSI	https://candidate.psiexams.com/	5 days before exam date by fax or email, 2 days online	2 exams: written and practical
Criminal Justice	County Jailer Certification *	Accommodation requests are provided by the classroom instructor	Texas A&M Engineering Extension Service	https://teex.org/class/let310/	Accommodation requests are provided by the classroom instructor	This online course consists of twelve learning modules with comprehensive final exam. All examinations must be passed with a minimum score of 70%. Participants have three attempts to pass each module exam and the final examination.
Criminal Justice	Emergency Telecommunications Certification *	Accommodation requests are provided by the classroom instructor	International Academy of Emergency Dispatch	https://www.emergencydispatch.org/home	Accommodation requests are provided by the classroom instructor	40 hour program, Able to read and write at a high school graduate or GED level. Complete IAED's written Certification Exam with a score of at least 80%. If 80% is not achieved, retests are available for a fee of \$30 USD.
Culinary Arts	ServSafe Manager *	reader (oral admin), separate room, extra time, scribe, sign language interpreter, foreign language translation	National Restaurant Association, 866-776-9570	https://www.servsafe.com/ServSafe-Manager	no specific time frame stated but must have exam date ready when submitting accommodation request, examinee (student) is responsible for submitting request	90 multiple choice question, need to make a 75% (68 correct), timed test (2 hours), test good for 5 years, scientific vocabulary intense, food science/health related, some math costing skills

Certification Information

CTE Pathway	Certification	Current Testing Accommodations (check testing agency for most up to date)	Certifying Agency	Website	Timeframe for requesting certification exam accommodations	Testing Information
Dental	Dental Assistant, Registered (RDA) *	All accommodations as indicated in student's IEP	Univ of Tx HSC-San Antonio School of Dentistry, Department of Continuing Dental Education	smile.uthscsa.edu	Minimum of 3 months	50 questions, passing score is 75%
Education & Training	Educational Aide I Certificate * NO TEST IS REQUIRED FOR THIS CERTIFICATION. Students earn the Educational Aide I Certificate by completing at least three credits in the Education and Training pathway, including either Instructional Practices or Practicum in Education and Training. To be hired in Pasadena ISD as an educational aide, students must pass the ParaPro exam.	Based on specific request, disability, submitted documentation, and appropriateness of request	ParaPro: In-district exam TEA: Educational Aide Certificate	https://www.ets.org/parapro/disabilities	Minimum of six weeks before exam	ParaPro: 2.5 hour timed test, 90 multiple choice questions consisting of reading, writing and math.
Electrical	NCCER – Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Electrical	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Electrical	NCCER – Electrical, Level 1 *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	12 modules with 10-20 question per module and successful completion of performance tasks, passing score is 75%
Electrical	NCCER – Electrical, Level 2*	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	12 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
EMT	Emergency Medical Technician (EMT) *	Based on specific request, disability, submitted documentation, and appropriateness of request	National Registry of Emergency Medical Technician (NREMT)	nremt.org/rwd/public/document/policies	30 days before exam	
Engineering	Autodesk Inventor Certified User *	Ext. time, reader/recorder, separate testing room	Certiport	https://certiport.pearsonvue.com/	determined on case-by-case basis	
Graphic Design	Adobe Certified Associate (ACA) – Illustrator *	Ext. time, reader/recorder, separate testing room	Certiport	certiport.pearsonvue.com/Educator-resources/Exam-policies/Accommodations.aspx	10 business days before exam	50 minute timed exam, 32 questions, technical vocabulary, hands-on application
Graphic Design	Adobe Certified Associate (ACA) – Photoshop *	Ext. time, reader/recorder, separate testing room	Certiport	certiport.pearsonvue.com/Educator-resources/Exam-policies/Accommodations.aspx	10 business days before exam	50 minute timed exam, 33 questions, technical vocabulary, hands-on application
Health Science	Electrocardiography (EKG) *	Based on specific request, disability, submitted documentation, and appropriateness of request	National Center for Competency Testing(NCCT)	nccctinc.com/certifications	30 days before exam	3 hrs timed exam, 125 scored questions, 25 unscored questions, passing rate is 70% or higher
Health Science	CPR	All accommodations as indicated in student's IEP	American Heart Association	heart.org	Accommodation requests are provided by the classroom instructor	25 questions and the passing rate is 84% or higher
Health Science	First Aid	All accommodations as indicated in student's IEP	American Red Cross	https://www.redcross.org/take-a-class/first-aid	Accommodation requests are provided by the classroom instructor	Successful completion of performance tasks
Health Science	CERT - Community Emergency Response Team	All accommodations as indicated in student's IEP	Harris County Office of Homeland Security and Emergency Management	harriscountycitizen corps.com	Accommodation requests are provided by the classroom instructor	Successful completion of performance tasks

Certification Information

CTE Pathway	Certification	Current Testing Accommodations (check testing agency for most up to date)	Certifying Agency	Website	Timeframe for requesting certification exam accommodations	Testing Information
Health Science	Sterile Processing and Distribution Technician *	All accommodations as indicated in student's IEP	Kadeceus	Contact classroom teacher for accommodation request.	Determined on case-by-case basis	Two-hour timed exam with 100 multiple-choice questions, passing rate is 75% or better. Skills portion is timed for 25 minutes or under with 75% passing rate.
Information Technology	CompTIA A+ Certification *	Based on specific request, disability, submitted documentation, and appropriateness of request	CompTIA (Testing Provider: PearsonVue)	https://www.comptia.org https://rs.hgportal.net/amer/candidate	A minimum of 10 days before exam	Two (1001 and 1002) 1.5 hour timed exams, performance based and each has 90 multiple choice questions, 75% is passing.
Information Technology	CompTIA Network+ *	Based on specific request, disability, submitted documentation, and appropriateness of request	CompTIA (Testing Provider: PearsonVue)	https://www.comptia.org https://rs.hgportal.net/amer/candidate	A minimum of 10 days before exam	1.5 hour timed exam, performance based and has 90 multiple choice questions, 80% is passing.
Information Technology	MTA Networking Fundamentals *	Based on specific request, disability, submitted documentation, and appropriateness of request	Certiport	https://certiport.pearsonvue.com/ https://vue.onhgcloud.com/asp/HgPortal.asp	A minimum of 10 days before exam	50 minute timed exam with 59-63 questions
Maritime	Forklift Operator Certificate of Completion *	Accommodation requests are provided by the classroom instructor			Accommodation requests are provided by the classroom instructor	6 hours of classroom instruction, minimum 2 hours of practical training
Maritime	Texas Boaters Safety	Accommodation requests are provided by the classroom instructor	Boat US Foundation	https://elearning.boatus.org/	Accommodation requests are provided by the classroom instructor	must get passing score of 80% which is 60/75 questions correct, not timed
Maritime	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Outdoor Life	Hunters Education	Texas Parks and Wildlife	Texas Parks and Wildlife	https://tpwd.texas.gov/education/hunter-education		
Pharmacy Tech	Certified Pharmacy Technician (CPhT) *	Ext. time, enlarged font, magnified screen text, separate room, reader, recorder	PharmTech Board	www.ptcb.org	30 days before exam	
Small Engine	OSHA 10	None available, students have up to 6 mos to complete training	Occupational Safety and Health Administration	OSHA.gov	Students have up to 6 mos to complete training	40 questions and successful completion of performance tasks
Small Engine	NCCER Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Veterinary Science	Certified Veterinary Assistant, Level 1 *	Accommodation requests are provided by the classroom instructor	Texas Veterinary Medical Association	https://www.tvma.org/Education-Opportunities/CVA https://www.tvma.org/LinkClick.aspx?fileticket=1nYOujyPkGA%3d&portalid=0	Accommodation requests are provided by the classroom instructor	500 multiple choice, passing score is 70% 500 hours of work experience under the supervision of a DVM or LVT
Welding	AWS – American Welding Society *	Ext. time, reader/recorder, sign language interpreter	American Welding Society	www.aws.org/certification/documents	6 weeks before exam	Successful completion of performance tasks
Welding	NCCER - Core *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	8 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%
Welding	NCCER – Welding Level 1 *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	12 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%

Certification Information

CTE Pathway	Certification	Current Testing Accommodations (check testing agency for most up to date)	Certifying Agency	Website	Timeframe for requesting certification exam accommodations	Testing Information
Welding	NCCER - Welding Level 2 *	All accommodations as indicated in student's IEP	NCCER	NCCER.org	NCCER does not require any paperwork or request documentation unless the disability severely restricts student performance. In these cases, email support@NCCER.org	9 modules with 10-30 questions per module and successful completion of performance tasks, passing score is 75%

Course Prerequisites

Course	Credit	Grade level	Prerequisite
Accounting II	1	11,12	Accounting I
Advanced Animal Science	1	11, 12	Biology and Chemistry or IPC, Algebra I and Geometry, and either Small Animal Management, Equine Science, or Livestock Production
Advertising	1/2	9,10,11,12	Principles of Business, Marketing, and Finance
Honors Computer Science I	1	10	Algebra I
Anatomy and Physiology	1	10,11,12	Biology and a second science credit
Audio/Video Production II Lab	1	10,11,12	Audio/Video Production I
Business Information Management II	1	10,11,12	Business Information Management I
Career Preparation II	2	12	Career Preparation I
Construction Technology II	2	11,12	Construction Technology I
Electrical Technology II	2	11,12	Electrical Technology I
Engineer Design & Presentation	1	10, 11, 12	Algebra I
Engineer Design & Problem Solving	1	10, 11, 12	Algebra and Geometry
Entrepreneurship	1	10,11,12	Principles of Business, Marketing, and Finance
Extended Practicum in Health Science	1	11,12	Principles of Health Science, Health Science Theory, and Biology
Fashion Design	1	10,11,12	Principles of Arts, Audio/Video Technology, and Communications
Fashion Design II Lab	1	11,12	Fashion Design I
Graphic Design and Illustration II Lab	1	10,11,12	Graphic Design and Illustration I
Health Science Clinical	1	10,11,12	Biology and Principles of Health Science
Health Science Theory	1	10,11,12	Principles of Health Science and Biology
Interior Design I	1	10,11,12	Algebra I and English I
Interior Design II	2	11,12	English II, Geometry, and Interior Design I
Practicum in Audio/Video Production	2	11,12	Audio/Video Production II and Audio/Video Production II Lab
Practicum in Construction Management	2	12	Construction Management II
Practicum in Culinary Arts	2	11,12	Culinary Arts
Practicum in Education and Training	2	12	Instructional Practices
Practicum in Fashion Design	2	11,12	Fashion Design II and Fashion Design II Lab
Practicum in Graphic Design and Illustration	2	10,11,12	Graphic Design and Illustration II and Illustration II Lab
Practicum in Health Science	2	11,12	Principles of Health Science, Health Science Theory, and Biology
Practicum in Information Technology	2	12	A minimum of two information technology (IT) courses
Practicum in Interior Design	2	12	Interior Design II
Practicum in Marketing	2	11,12	Principles of Business, Marketing, and Finance

Course Prerequisites

Course	Credit	Grade level	Prerequisite
Practicum in STEM	2	12	Algebra and Geometry
Small Engine Technology II	2	10,11,12	Small Engine Technology
Social Media Marketing	1/2	9,10,11,12	Principles of Business, Marketing, and Finance or any marketing course
Sports Marketing	1/2	9,10,11,12	Principles of Business, Marketing, and Finance
Sports Marketing	1/2	9,10,11,12	Principles of Business, Marketing, and Finance or any marketing course
Sports Marketing II	1	11	Sports Marketing I
Vet Med Applications	1	11, 12	Equine Science, Small Animal Management or Livestock production