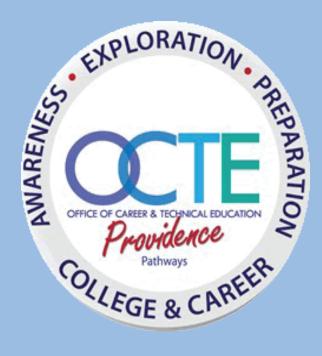


Career and Technical Education is a focused, powerful educational experience that prepares students for both industry and higher education. To be successful in CTE, students must commit to the pursuit of an academic diploma and RIDE-mandated industry credentials. Students will work harder than many of their peers, but be positioned for high-wage, high growth careers.

Career & Technical Education in the Providence Public Schools



Application Timeline

November 17 - School Choice Fair night @ PCTA 4:00pm-8:00pm

October - November *On site assemblies and presentations at all Providence Middle Schools*

January 12th, 2023 Family Information Session - PCTA 6:00pm

January 9th, 2023- Application Open

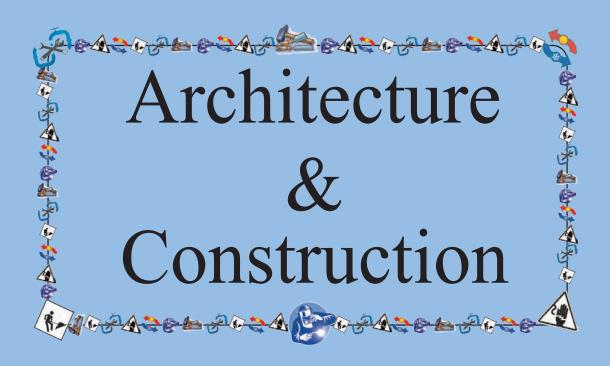
January 31st, 2023 Application Deadline

 How to get more information about CTE Attend the district-wide School Choice Fair November 17 at PCTA Attend the Family Information Night Jan. 12, at 6:00pm Visit www.providencepublicschools/octe 	 Application Requirements Complete online application (available at www.providenceschools.org/octe) before January 31, 2023 Rank top 3 CTE programs Complete two short essays Online recommendation from school counselor

Application Component SY 22-23 1-Student essays 20 points 2-Guidance counselor recommendation 30 points 3-Student interview 30 points 4-7th Grade Final Grades 10 points 5-7th Grade Attendance 10 points

Student applications are scored by the CTE team as well as program teachers and administrators. Points are awarded to each student as follows, with a maximum of 100 points.

It is important to note that the CTE Office will not share score information for individual parts of the application with students and families.



Program:	School:
Electrical	РСТА
HVAC/Plumbing	PCTA
Carpentry	РСТА
General Construction	PCTA

ELECTRICAL TECHNOLOGY



PROGRAM OVERVIEW

This program is designed to prepare diverse students for a career in Electrical Technology. Students take courses and participate in field work outside of the classroom, such as the construction of the field house for Central High School, the House Build, and school projects. Students will have an opportunity to explore the content and the practice of Electrical Technology.



DID YOU KNOW?

Electricians install, connect, test, and maintain electrical systems for a variety of purposes including climate control, security, and communications. Although most electricians specialize in construction or maintenance, a growing number do both.

Electricians work with blueprints to install electrical systems in factories, office buildings, homes, and other structures. Blueprints indicate the locations of circuits, outlets, load centers, panel boards, and other equipment.

OUTCOMES

- HBI Certification
- CPR, First Aid & AED Certification
- MC3 Certification
- OSHA 10
- 80 Hours Work Based Learning Hours

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

IBEW 5 Year Program Building Futures New England Tech Associates CCRI National Grid CCRI/RIBTA Electrican Apprenticeship

Two Year Program

Four Year Program

Bachelors in Electrical Engineering

HVAC/Plumbing PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM OVERVIEW

Students who complete the HVAC-R program gain skills in heating, cooling, ventilation, refrigeration, plumbing, and customer service. Students also learn essential technologies for a variety of environments - clean room environments, computer rooms, and commercial high-rise buildings. HVAC-R has a required six week summer program





DID YOU KNOW?

Employment of heating, air conditioning, plumbing, and refrigeration mechanics and installers will grow 14% from 2014 to 2024. Candidates familiar with computers and electronics and those with good troubleshooting skills will have the best job opportunities. Employers seek qualified technicians to install, maintain, and repair complex systems.

OUTCOMES

- Home Builders Institution
- (HBI) Certification VIEGA Certification
- EPA 608 & 609 Certifications
- 80 Work Based Learning hours
- OSHA 10
- First Aid

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

HVACR/ Plumbing Apprentice HVACR/Plumbing Supply House Pipefitter Apprentice Entry Level Construction Position

Direct To Work

HVACR/ Plumbing Mechanic and installer HVACR/Plumbing Sales/ Design HVACR/Plumbing Commissioning Agent HVACR/Plumbing Marketing Pipefitter/Steamfitter Master HVAC-R Technician or Plumber

Two Year Program



Oil Technician Mechanical Engineer

CARPENTRY & HOME BUILDING

PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM DESCRIPTION

This program is designed to attract diverse students to the home construction profession. Students participate in fieldwork outside of the classroom, such as construction of the field house for Central High School and PCTA, model homes for RI Home Show and additional projects. Carpentry has a required six week summer program.





DID YOU KNOW?

Students develop technical knowledge and practical experience essential to secure employment in the manufacturing industry. construction after graduation and / or transition to a Post-Secondary Institution to promote your education in the construction trades.

OUTCOMES

- Home Builders Institute (HBI) Certification
- **80 Work Based Learning Hours**
- Ramset Certification
- CPR, First Aid & AED Certification
- OSHA 10 Certification
- Shop Safety Certification

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct to Work

 $\mathbf{1}$

Carpenter Helper Construction Helper Two Year Program

Union or Building Futures Apprentice Bachelors in Construction Management

Four year Program

- General Construction –

PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM OVERVIEW

The NE Laborers Training Facilities in Hopkinton, MA and Pomfret, CT partnered with PCTA in designing and building indoor and outdoor labs to provide students the opportunity to practice construction techniques needed upon completion of the program. Students who complete the General Construction program at PCTA are eligible to use 1,000 hours towards completion of their apprenticeship. General Construction has a required six week summer program.





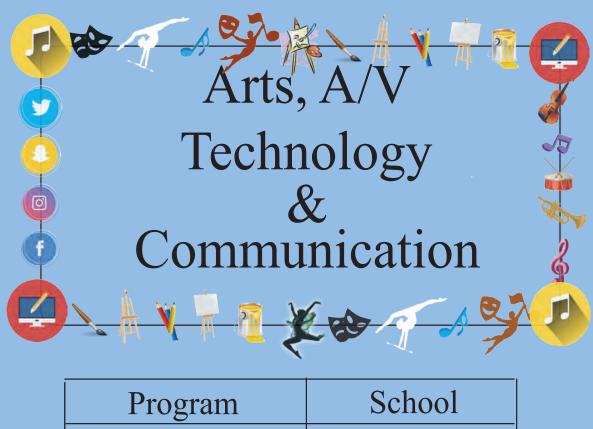
DID YOU KNOW?

Every year PCTA students are accepted into the LiUNA apprenticeship program giving them the opportunity to work in a construction job within weeks after graduation. Entry-level wage for a Construction Craft Laborer is \$46,300./\$22.26 per hour.

OUTCOMES

- OSHA 30 Certification
- Employability skill mastery certificate
- CPR/First Aid
- **80 Work Based Learning hours**
- New England Laborers apprenticeship program





Program	School
Graphic Communications	РСТА
Visual Arts	Норе
Music	Mt. Pleasant

GRAPHICS PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM OVERVIEW

The Graphics program is an activitybased program that teaches design principles, image editing and illustration techniques to produce design projects for web, print, and video delivery. This program delivers advanced coursework in the highly technical and demanding Graphic Design & A/V Communications field. In the Graphics program, students gain relevant work experience in an ever expanding field. There is an amazing opportunity for students to acquire academic, technical and workplace skills in the classroom and through internships.



DID YOU KNOW?

The Graphics program at PCTA is a school-based enterprise. The program has added digital printing, embroidery, and vinyl cutting. These machines allow us to create custom, hats, hoodies, and Tshirts. In addition, the students use software to design brochures and flyers for local businesses and schools. Students also have access to a state of the art digital media studio where they can produce podcasts and learn video production. Upon completion of the program, students can earn course credits towards two degree programs: NEIT's Graphic, Web Design and Multi-Media program or Digital Media Production.

OUTCOMES

- ADOBE Certification
- Print (ED)
- NEIT Course Credits

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work Web Designer

Package Designer Video Editor Camera Operator Graphics Designer Entrepreneur Digital Media Specialist

Two Year Program

 $\mathbf{1}$

Creative/Art Director Career and Technical Education Teacher

Four Year Program

- Visual Arts HOPE HIGH SCHOOL



The Visual Arts program at Hope High School provides students the opportunity to prepare for a career in the Arts by developing and cultivating a comprehensive portfolio of work. Students have the opportunity for certification in Adobe Illustrator, Adobe Photoshop, NOCTI and NEIT and can take **Advanced Placement 2-D Design and** Advanced Placement Drawing. The Visual Arts Program offers drawing, painting, and digital media arts. The Mac lab has full color printers, a green screen and the Adobe Suite to create professional level graphics. Students use watercolor, acrylic painting, oil pastels, colored pencils, oil pastel, charcoal, and copic markers.



DID YOU KNOW?

Artists are a vital part of the American workforce- more than two million Americans describe their primary occupation as artists. Artistic vision and design skills are needed in areas such as architecture, fashion, media, film and theatre. Artists can work as muralists, graphic designers, animators, filmmakers, architects, set designers, fashion designers, product designers, and web designers.

OUTCOMES

Art & Design Portfolio
NOCTI
AP 2-D Design
AP Drawing

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

 \checkmark

Fine Artist Designer Designer/Graphic Designer/ Web Designer Art Gallery Docent Artist Assistant Two Year Program

Associates degree in Fine Arts Printmaking Graphic Design and Web Design Four Year Program

 \checkmark

Bachelors in Fine Arts, Graphic Design, Architechture and Media Arts Art Educator Art Therapist

Music Mount pleasant high school





PROGRAM OVERVIEW

The Mount Pleasant High School Music CTE Pathway offers four programs of study for students: Concert Band, Chorus, Piano and Guitar with emphasis on music preparation for Conservatory style post-secondary auditions.

The Pathway is designed for students interested in having a music focus during their high school career. All students are welcome and do not need to have past instrumental or vocal experience. The Music CTE Pathway prepares students for optional post secondary studies in Music Performance, Music Education or Music History.



Tri-M[®] Music



DID YOU KNOW?

Students have opportunities to work with and perform with industry professionals throughout the state during all 4 years of instruction. Students work toward preparing auditions for Rhode Island All State and Solo and Ensemble festivals. Those who meet high academic standards have the option to join the Modern Music Masters (Tri-M) Honor Society, a national honor society specifically for musicians. The program also offers a college preparatory Music Theory course during students' senior year.

OUTCOMES

- Core Instrumental/Vocal performance and instruction
- Statewide group festival competition
- Statewide Solo and Ensemble competitions (junior and senior year)

Elementary Music Theory

Internships with area industry professionals

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

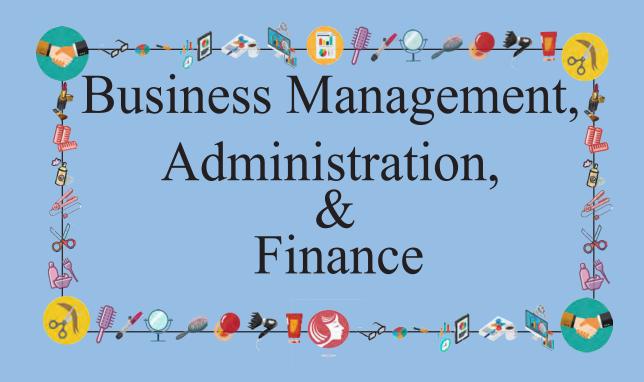
Private instrumental or vocal Instructor, Musician



Associates Degree in Music or Fine Arts



Bachelors of Music -Education Bachelors of Music -Performance Bachelors of Music -History/Ethnomusicology Bachelors of Music - Music Therapy



Program:	School:
Business & Cosmetology	РСТА



Business & Cosmetology PROVIDENCE CAREER AND TECHNICAL ACADEMY





The Buisness/Cosmetology Program combines the elements of art, science, and creativity with entrepreneurship and business management. Students learn in a full-service, clinical salon environment that provides real-world experiences. Students develop buisness knowledge as well as management and leadership skills. Students will become successful and financially educated salon and spa professionals.



DID YOU KNOW?

In 1906, Madam C.J. Walker was the first women of color to become an entrepreneur and a cosmetologist. She was a courageous entrepreneur with positive beliefs and confidence. Many women have overcome criticism and doubt, breaking barriers to prove themselves.

Consider the Buisness/Cosmetology Program to be the first entrepreneur in your family!

OUTCOMES

- ASK Business Certification
- QuickBooks Certification
- EverFi Financial Literacy Certificate
- RI Cosmetology License
- Keratin Complex Certification
- SP2 Certification
- Barbicide Certification



Salon Owner/Manager Hairstylist, Special effects artist Fashion Show Stylist Associates' in Business Management Cosmetology Instructor Bachelor's in Buisiness Management, Accounting, or Finance



Program	School
Teacher Academy	Mt. Pleasant



TEACHER ACADEMY

MOUNT PLEASANT HIGH SCHOOL





PROGRAM OVERVIEW

The Teacher Academy Program includes both industry-recognized credentials and advanced coursework. Students earn their First Aid, Babysitting, and CPR certifications. They also earn OSHA 10 Healthcare and Interview Skills from Careersafe online. Students also earn a Teacher Assistant Training Certificate as approved by RIDEand take the Paraprofessional Assessment through Educational Testing Services and can qualify to be teacher assistant in RI and other states. The sequence of classes includes an Early Enrollment Program course through Rhode Island College: FNED 100 Schooling in a Demcratic Society for 3 credits.





DID YOU KNOW?

There is a growing need for teachers throughout the United States. Employment of high school teachers is projected to grow 4 percent from 2019 to 2029. Rising student enrollment should increase demand for high school teachers. The annual average wage for a RI teacher is \$75,950.

OUTCOMES

- PARAPRO Assessment 461 or Higher
- RIDE Approved Teacher Assistant Training
- HighSchool Diploma
- First AID Certificate
- BabySitting Certificate
- Early Enrollment at Rhode Island College (3 Credits)

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION? Ext To Work Two Year Program Four Year Program

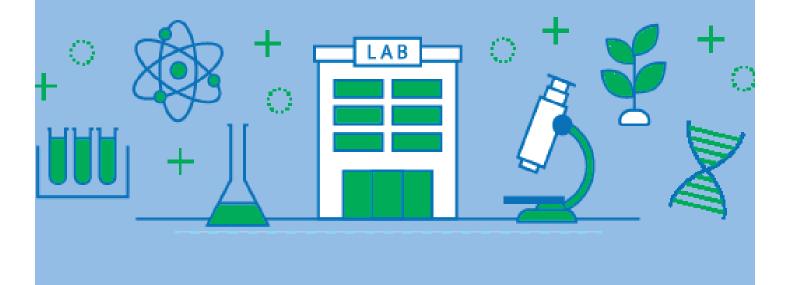
Direct To Work

Teacher Assistant

Associate's in Education Early childhood teacher, Teaching assistant Four Year Program

Bachelor's in Education PK/K-12

\mathbf{V}	Conviron Environ Life Se	nmenta & cience	S
	Program	School	
	Bio-Medical	W.B.Cooley ØJSEC	



BIOTECHNOLOGY/MEDICAL

JUANITA SANCHEZ HIGH SCHOOL



PROGRAM OVERVIEW

In the Biotechnology/Medical Program students prepare for many career opportunities such as Medical Tech, Biotechnology, Lab Techs, Biology,

Phys./Occ. Therapy, and other Healthcare/Lab sciences. Students develop science knowledge through hands-on experiences. Students in this program will experiment, explore, and

prepare for careers.





DID YOU KNOW?

The Biomedical program will prepare students for careers in health-related and science fields. This is a highly interactive program where students conduct labs, see how people engage the scientific community, build their resume and become part of a great community.

OUTCOMES

- Project Lead the Way (PLTW) coursework
- 80 hours of internship, service learning
- **CPR & AED** Certification
- **OSHA 10 Certification**

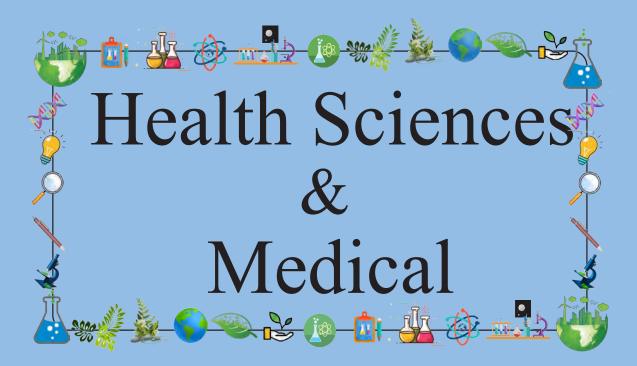
WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

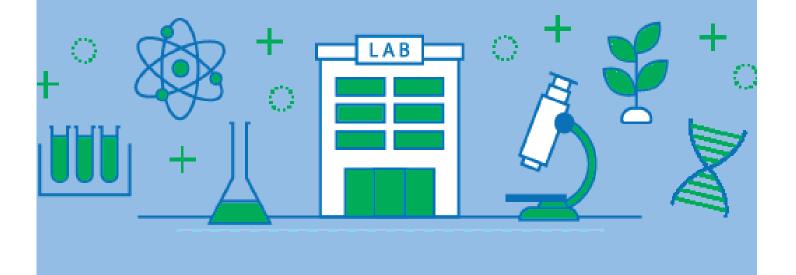
Certificate programs in imagery or phlebotomy **Two Year Program**

Med Tech or **Physical/Respiratory therapy** **Biomedical Engineer**, Data Scientist, Lab **Scientist**

Four Year Program



Program	School
Healthcare	Alvarez



HEALTH CAREERS ALVAREZ





PROGRAM OVERVIEW

The three Healthcare programs at Dr. Jorge Alvarez High School prepare students for entry-level employment as Nursing Assistants (CNA), Emergency Medical Technicians (EMT) or Community Health Care Workers. Students will be provided with instruction through classroom theory, labs and clinical skills. Students will participate in supervised clinical rotations at local facilities providing hands-on care.





DID YOU KNOW?

Registered Nurses in the state of Rhode Island earn an average annual salary of \$82,790 per year (or \$39.81 per hour) as of May 2020, according to the U.S. Bureau of Labor Statistics. 80% of Rhode Island RNs earn between \$59,460 and \$105,150.

OUTCOMES

- CNA License
- EMT License
- Community Health Worker certification
- CPR, First Aid. AED
- 80 Hours Clinical Work

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

<u>Two Year Program</u>

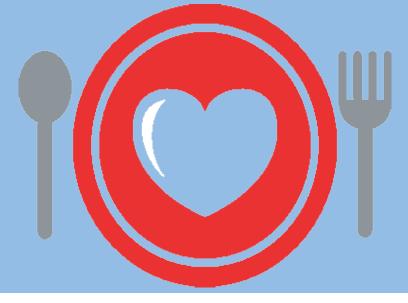
Four Year Program

Nursing Assistant(CNA)

Licensed Practical Nurse (LPN) Physical Therapy Assistant **Registered Nurse RN**



Program	School
Culinary Arts	РСТА
Pastry Arts	РСТА



CULINARY ARTS PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM OVERVIEW

Culinary students learn the necessary skills to be successful in the Food Service industry. Students learn content in theory classes and practice hands-on skills in the lab. Students prepare menu items for PCTA's student-run Cafe. In this school-based enterprise, students create menus, receive food orders, prepare meals, greet guests, and take orders.





DID YOU KNOW?

Most people will hold a position in the food service industry at some point in their lifetime. This industry has \$899 billion in projected sales for 2020 and \$1.6 million new jobs by 2030. Restaurants employ more multi-language speakers than any other industry.

OUTCOMES

- ServSafe Workplace
- ServSafe Food Allergens/ Handler
- ServSafe Alcohol Service
- ProStart Level 1& 2
- American Culinary Federation

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?



Line cook Prep cook Host/Hostess Busser/ Server <u>Two Year Program</u>

Culinary Arts Associate Degree

Four Year Program

Bachelor's in Culinary Arts Dietitian Nutritionist Restaurant Management Food and Beverage Manager

PASTRY PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM OVERVIEW

Students in the Pastry Arts program hands-on experience in a variety of methods to prepare creative pastries, breads, cake, etc. Students learn about food management, desserts, pastry principles, menu planning, catering operations and restaurant accounting. Students compete in local, state and national baking competitions along with the Prostart Culinary team.



DID YOU KNOW?

Students in the Pastry Program at PCTA are part of a school-based enterprise known as the Cafe. Staff members along with the community at large eat here and order cakes, pastries for holidays,special occasions,birthday parties, and Providence Waterfire celebrations.

OUTCOMES

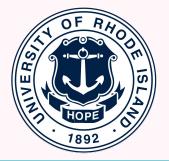
- ProStart Level 1 & 2
- American Culinary Federation
- ServSafe Food Handler
- ServSafe Alcohol & Allergen
- ServSafe Manager



 Information Technology 	
Program	School
Information Technology/Computer Science with Dual Enrollment P-TECH Program	E-Cubed
Computer Science/ CS4RI	W.B. Cooley @ JSEC
Computer Science/ CS4RI	Mt. Pleasant
Computer Science/ CS4RI	Central
Computer Science/ CS4RI	Alvarez

INFORMATION TECHNOLOGY/ P-TECH E-CUBED





PROGRAM OVERVIEW

In the Information Technology Program will have an opportunity to earn both their high school diploma, credits toward their associates degree and gain relevant work experience in the field of

Informational Technology. Additionally, students who participate in extended learning and summer course work can graduate with their Associates degree the summer after high school.

The program branches into three pathways: Computer Science, Networking and Computer Support Specialist. Students will acquire the academic, technical and workplace skills that employers need. Students will develop skills in programming and technology support that will prepare them to move into high wage, high growth careers. Mentoring, workplace visits, job shadowing, and internships are integrated into the program.



DID YOU KNOW?

The average wage for a TECH industry worker is \$108,900 - more than 2x the national average. PTECH provides an opportunity for students to complete high school, and earn a two year degree. PTECH graduates will be prepared for higher paying, successful careers. For more information visit or www.ptech.org

OUTCOMES

- IC3 Certificate
- Dual/Concurrent Enrollment (URI & CCRI)
- AP Computer Science Principles

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

Computer Networking Software Cyber Security Analyst Computer Support Specialist DevOps Engineer Year Up Two Year Program

AA Computer Programming (CCRI) AA Networking (CCRI) AA Cybersecurity (CCRI) Four Year Program

BA Computer Science (URI & RIC)

BS Computer Science (URI & JWU)

Computer Science/CS4RI

CENTAL, JSEC, & MT.PLEASANT HIGH SCHOOL, ALVAREZ





PROGRAM OVERVIEW

The Computer Science Pathway programs at Central, JSEC, Mt. Pleasant, and PCTA are funded and supported by the statewide Computer Science for Rhode Island (CS4RI) grant. Students enjoy creative problem-solving, team collaboration, and influencing others with their ideas. Students develop skills to connect their career passions to high paying jobs in one of the largest and fastest-growing fields.





DID YOU KNOW?

Computer Science is not all about coding - it includes various fields that require coding experience. This includes the global push towards smart buildings and "green" cities. There is a projected growth of 12 % from 2018-2028 in the employment of computer and information technology occupations. Starting salaries are \$45,000-\$50,000.

OUTCOMES

- 12 Computer Science college credits
 Pathway endorsements
 20 hours of hands-on experience
 - in a structured lab setting

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

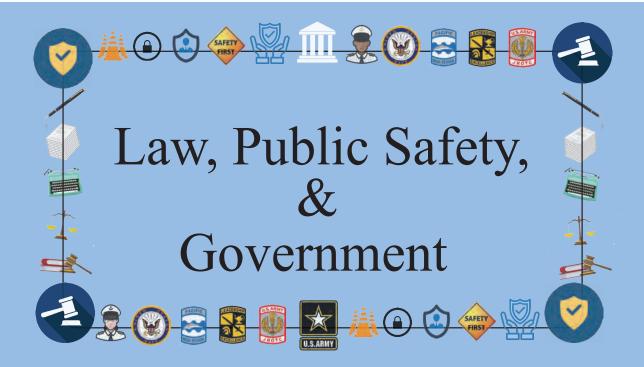
Direct To Work

Help Desk Technician

Two Year Program

College/University Associate in Computer Science/ IT Four Year Program

College/University Bachelor in Computer Science/ IT



Program	School
Law & Public Safety + Firefighter	Central
JROTC	Норе



Law, Public Saftey & Security





PROGRAM OVERVIEW

The Law, Public Safety, & Security program prepares students for a range of careers in the legal, criminal justice, and public safety fields. It begins with an overview of the criminal justice system, including

the police, courts, and corrections. The forensic science course teaches students to solve crimes and collect, preserve, and analyze physical evidence. In legal studies and criminal justice, students learn about the law in our contemporary society, the ethics and moral obligation of our citizenry, and the meaning of justice.





DID YOU KNOW?

Students have the opportunity to earn an EMT license starting in the junior year! Demand for public safety will lead to new openings for officers. Average salary for a police officer is \$44,000. Average wage for Correctional Officers/Bailiffs is

\$43,000 in May 2016. EMT start at \$19.00 per hour

OUTCOMES

- EMT certification- Emergency Medical Technician
- OSHA 10
- First Aid and CPR
- Roger Williams University- up to 9 credits

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work EMT, Police Cadet Program <u>Two Year Program</u>

Associate in Criminal Justice or Forensics Science Four Year Program Bachelor's in Criminal Justice or Forensics Science

JROTC HOPE HIGH SCHOOL



PROGRAM OVERVIEW

Are you someone who likes a challenge? Are you someone who likes to learn beyond the traditional classroom? Do you want to be part of a team and create life-long friends? JROTC instruction is focused on leadership, time and financial management, nutrition, CPR, and many other topics. Designed to enhance team building and personal responsibility. Hope High School's Army JROTC program is an "Honor Unit with Distinction," the Department of Defense's highest rating.



DID YOU KNOW?

Program instructors do not recruit for the military. The mission of JROTC is: "To motivate young people to be better citizens." Beyond the classroom, cadets have the opportunity to test their physical fitness through basic tests of strength and agility. The most successful cadets over time have achieved a proper balance of academics, fitness, and nutrition.

OUTCOMES

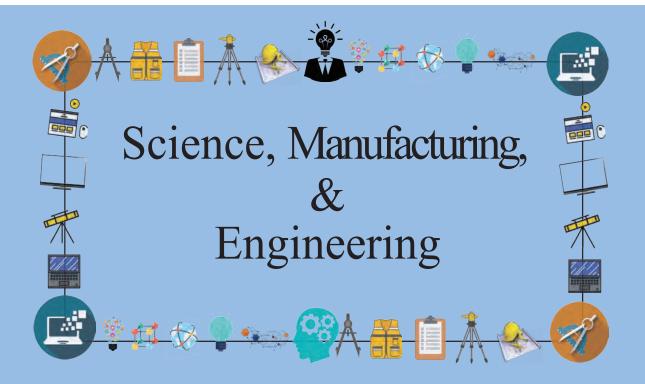
- Cadet Portfolio
- Service Learning Projects
- Continuous Improvement capstone project
- CPR, First Aid & AED certification
- Financial Management

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work

Enlistment in the U.S. Armed Forces Two Year Program Scholarship at institution with ROTC program <u>Four Year Program</u>

US Military Service Academy (Nomination with distinction)



Program	School
Pre-Engineering	РСТА
Pre-Engineering	Mt. Pleasant
Welding & Pipe Fitting	РСТА



PRE-ENGINEERING PROVIDENCE CAREER AND TECHNICAL ACADEMY





PROGRAM OVERVIEW

Students in the Pre-Engineering program at PCTA take a rigorous three course Project Lead the Way (PLTW) sequence. Students have the opportunity to earn industry-recognized credentials, post-secondary credits and/or advanced standing in training programs or jobs. PLTW courses are Introduction to Engineering Design, Computer Integrated Manufacturing, and Engineering Design & Development.



DID YOU KNOW?

Pre-Engineering students have won Skills USA gold medals in Mobile Robotics, Prepared Speech and Interactive Video Game Design. Students tour Engineering firms, local colleges and universities and meet industry professionals to learn about opportunities in Engineering and Manufacturing.

OUTCOMES

- SolidWorks
- Project Lead the Way coursework
 OSHA 10

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Associates in Engineering Electronic Technician

Bachelor's in Engineering Logistic and supply chain management or Manufacturing and Production

PRE-ENGINEERING

Mount Pleasant High School





PROGRAM OVERVIEW

Students in the Pre-Engineering program at Mt. Pleasant take rigorous Project Lead the Way (PLTW) courses for 3 years. Students have the opportunity to earn industry-recognized credentials, postsecondary credits and/or advanced standing in training programs or jobs. PLTW courses are Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing, and Engineering Design & Development. Students also participate in Junior Achievement.



DID YOU KNOW?

Students tour engineering firms, local colleges and universities and meet industry professionals to learn about opportunities in engineering and manufacturing. Pre-Engineering students also regularly participate in FIRST Tech Challenge and FIRST Robotics Competition with Mount Pleasant robotics club.

OUTCOMES

- Project Lead the Way coursework
- Computer Aided Design certification
- Junior Achievement Personal Finance
- Junior Achievement Career Success
- OSHA 10

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Two Year Program

Electrical Technician CNC Machinist ↓ <u>Bachelor's in Engineering</u> Mechanical or electrical design engineer Process engineer

Four Year Program

Civil engineer Aerospace engineer

MARITIME WELDING/ PIPE FITTING

PROVIDENCE CAREER AND TECHNICAL ACADEMY



PROGRAM OVERVIEW

Welders are in high demand and the Maritime Welding program provides students with the opportunity to gain the knowledge, welding skills and employability skills they need to begin a career as a welder. Students

can earn up to four American Welding Society's (AWS) SENSE Level 1 certificates, as well as the 10 hour safety certification from the Occupational Safety and Health Administration (OSHA-10). Students will also be given the opportunity to participate

in paid internships.





DID YOU KNOW?

By 2023, our nation's workforce will need over 375,000 welders to satisfy the demands of several industries and in the Rhode Island area. Starting salaries after high school begin around \$40,000 per year. Welding is a skill based career that does not require a college degree.

OUTCOMES

- AWS SENSE Welding Level 1 Certificate
- AWS SENSE Certified Shielded Metal Arc Welding (SMAW)
- AWS SENSE Certified Gas Metal Arc Welding (GMAW)
- AWS SENSE Certified Flux Cored Metal Arc Welding (FCAW)
- AWS SENSE Certified Gas Tungsten Arc Welding (GTAW)
- First Aid
- 🔵 OSHA 10
- Electric Boat Internship

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION? t To Work Two Year Program Four Year Program

Direct To Work

Entry level or Journeyman Apprenticeship at Electric Boat

Welding inspector, welding instructor, foreman, supervisor, self-employment

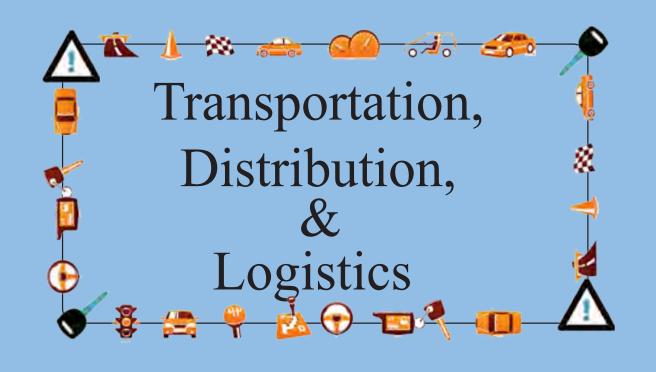
Two Year Program

Foreman or supervisor

Project manager, business manager, CEO/Company owner

 \downarrow

Engineering, research and development



Program	School
Automotive Technology	РСТА



AUTOMOTIVE TECHNOLOGY

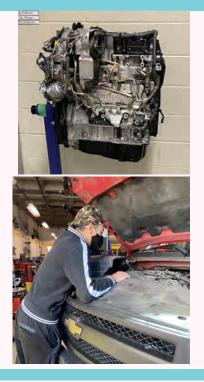
PROVIDENCE CAREER AND TECHNICAL ACADEMY





PROGRAM OVERVIEW

This program is focused on hands-on learning! Students will spend at least 60 percent of their time in the shop evaluating and repairing vehicles. Students will complete live repairs on vehicles-the same services they will perform when working in the field. After graduating from PCTA's automotive program, students are prepared for a rewarding career in the automotive field.



DID YOU KNOW?

Automotive technicians/mechanics service and repair all the systems of the vehicle; engines, steering and suspension, transmissions, brakes, Heating and air conditioning, electrical and engine performance. PCTA students earn how to service and repair these systems using state of the art industry recognized tools and equipment. The average wage for automotive service technicians was

\$40,710 in May 2018

OUTCOMES

- Automotive Service Excellence (ASE Certification)
- AllData certification
- ALI lift certification
- 80 Hours of worked based learning

WHAT ARE MY OPPORTUNITIES AFTER GRADUATION?

Direct To Work Mechanic Lube technician Parts Manager Aircraft mechanic Two Year Program

Associates in Automotive Technology NEIT, UTI, MTTI, Mass Bay Four Year Program

Bachelor's in Automotive Technology NEIT