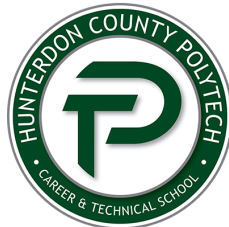


# HUNTERDON COUNTY VOCATIONAL SCHOOL DISTRICT



ADULT &  
CONTINUING  
EDUCATION  
SCHOOL



POLYTECH CAREER &  
TECHNICAL SCHOOL



BIOMEDICAL  
SCIENCES  
ACADEMY



COMPUTER SCIENCE &  
APPLIED ENGINEERING  
ACADEMY



ENVIRONMENTAL  
SUSTAINABILITY  
& ENGINEERING  
ACADEMY

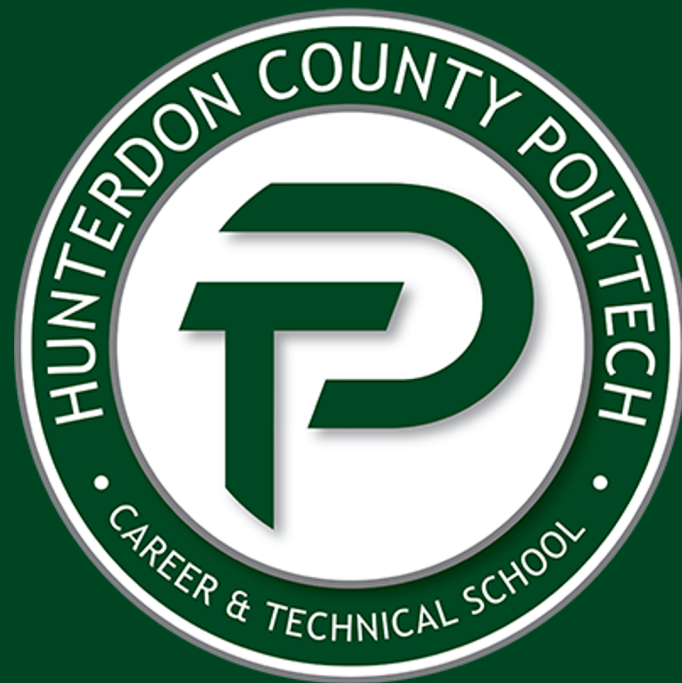
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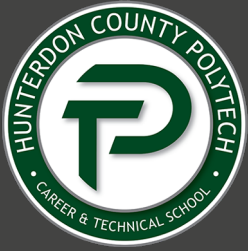
**When it comes to planning for their future,  
students are asking two questions...**

**What do I want to do?**

**How do I get there?**





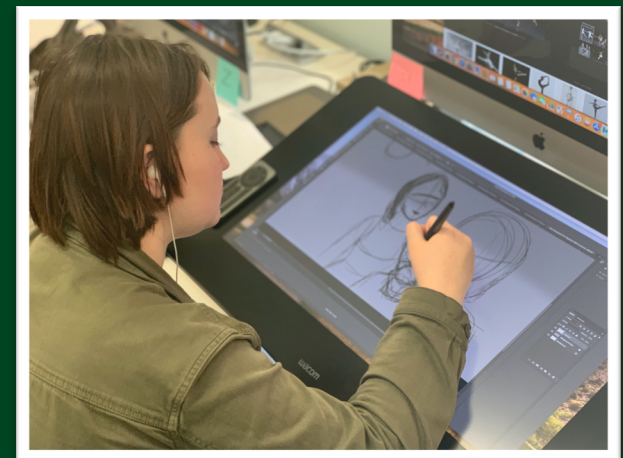


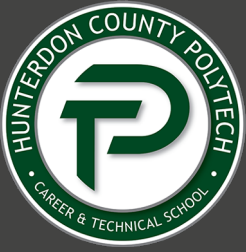
# WHAT IS CTE?

**Career and technical education prepares students for success in the workplace and further education**

- Certifications, credentials, licenses, skills, college credits
- Hands-on training
- Internships, mentorships, portfolios, work studies

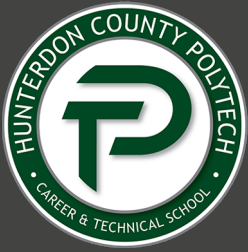
**REAL WORLD EXPERIENCES**





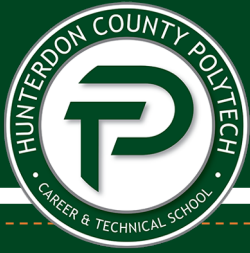
# WHY DOES CTE WORK?

- ✓ Training and education is driven by industry trends and employer needs
  - Insight from key business partners
- ✓ Use of industry-standard equipment and working with real customers provides true-to-life training
- ✓ Exposure to diverse career fields helps to narrow focus, set realistic goals, and develop a game plan for achieving success



# HUNTERDON COUNTY POLYTECH COURSE OFFERINGS

- **ANIMAL SCIENCE**
- **AUTOMOTIVE**
  - Auto Collision Repair & Welding
  - Automotive Services
  - Automotive Technology
- **ART | VISUAL COMMUNICATION**
  - 3D Computer Animation
  - Commercial Arts & Advertising Design
  - Graphic Design
- **BUILDING TECHNOLOGIES**
  - Construction Science
  - Heavy Equipment Operator Program (HEOP)
- **COMPUTER NETWORKING & CYBERSECURITY**
- **COSMETOLOGY**
- **CULINARY & BAKING ARTS**
- **LAW ENFORCEMENT & HOMELAND SECURITY**
- **EDUCATION**
  - Early Childhood Education
  - Teacher Academy
- **HEALTH & MEDICAL SCIENCES**
  - Allied Health
  - Healthcare Science
    - Exercise Science & Sports Medicine
    - Pre-Nursing
- **CUSTOMIZED | WORK-BASED LEARNING**
  - Structured Learning Experience
  - Supervised School-to-Careers
  - Career Prep
- **TRANSITION SKILLS**
  - Career Path to Transitions
- **SPECIALIZED PATHWAYS & CERTIFICATIONS**
  - Emergency Medical Technician (EMT) Academy
  - Fire Academy



# CAREER PATHWAYS

## • ANIMAL SCIENCE

- Veterinary Assistant/Technician; Wildlife Biologist; Dog Groomer; Farm Manager; Veterinarian; Animal Trainer

## • AUTOMOTIVE

- Detailer; Technician; Diesel Mechanic; Welder; Service Manager; Repair Estimator; Collision Damage Analyst; Auto Customizer; Small Engine Repair Technician; Shop Owner

## • ART | VISUAL COMMUNICATION

- 2D or 3D Animator; Video Game Designer; Graphic Designer; Advertising/Marketing; Storyboard Artist; Public Relations Specialist; Creative Director; Market Research Analyst; Illustrator, Product Designer

## • BUILDING TECHNOLOGIES

- Heavy Equipment Operator; Carpenter; Civil Engineer; Construction Manager; Roofing Specialist; Estimator; Business Owner; Oiler; Heavy Equipment Mechanic

## • COMPUTER NETWORKING & CYBERSECURITY

- Programmer; IT Technician; Web Developer; Computer Network Support Specialist; Security Engineer; Information Security Analyst; Computer Systems Architect

## • COSMETOLOGY

- Hair Stylist; Make-Up Artist; Salon Owner; Color Specialist; Skin Care Specialist; Nail Technician; Manufacturer Representative

## • CULINARY & BAKING ARTS

- Executive Chef; Restaurant Owner; Baker; Caterer; Food Scientists; Nutritionist; Pastry Chef; Food Safety Specialist

## • LAW ENFORCEMENT & HOMELAND SECURITY

- Police Officer; Crime Scene Investigator; Department of Homeland Security; U.S. Secret Service; Detective; Customs and Border Protection; U.S. Coast Guard

## • EDUCATION

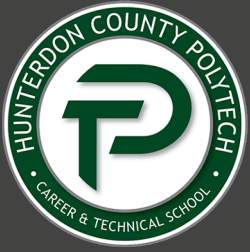
- Teacher; Social Worker; Administrator; Counselor; Childcare Center Director; Family Support Specialist

## • HEALTH & MEDICAL SCIENCES

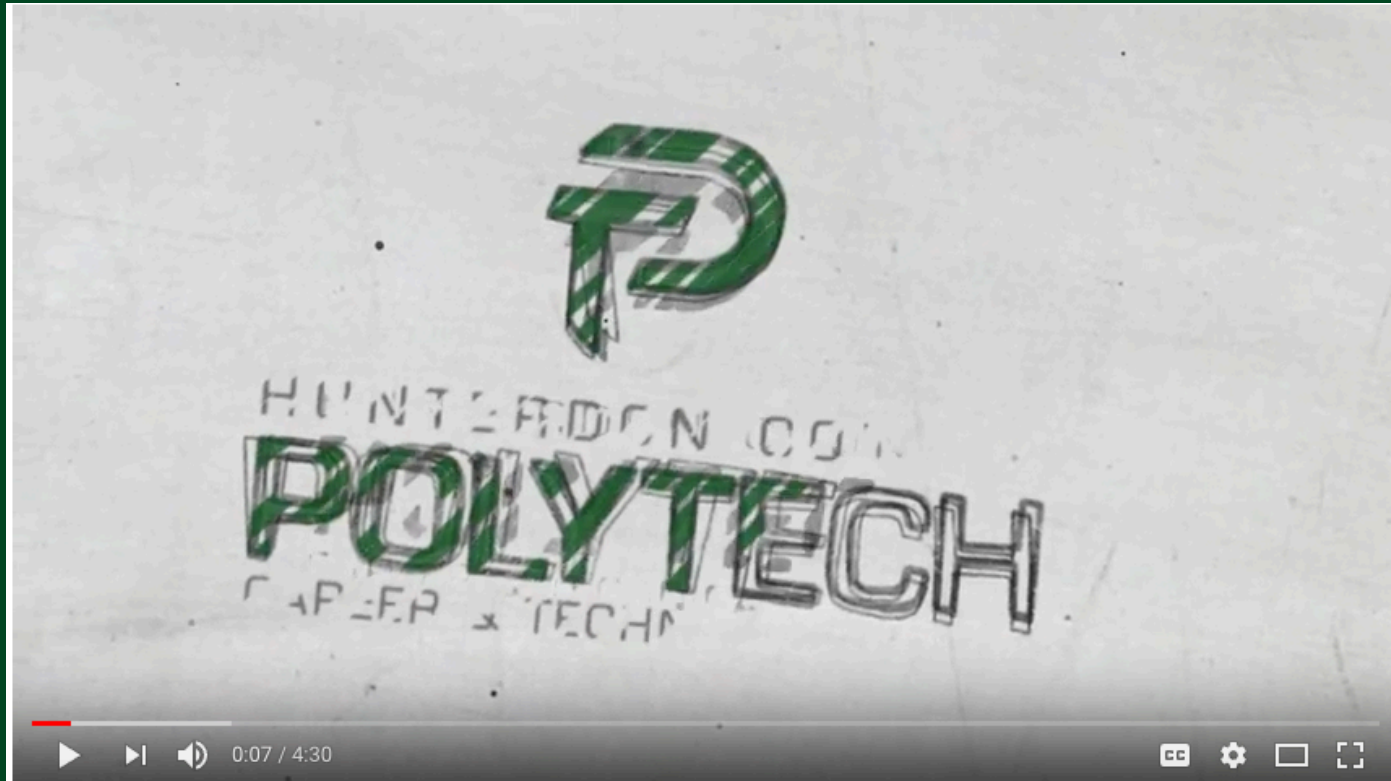
- Medical Assistant; Physical Therapist; Registered Nurse; Physician; Speech Therapist; Lab Technician; Phlebotomist; Occupational Therapist; Home Health Aide; Billing and Coding Specialist; Athletic Trainer; Dietician; Chiropractor

## • SPECIALIZED PATHWAYS & CERTIFICATIONS

- EMT or Paramedic; Firefighter; Arson Investigator



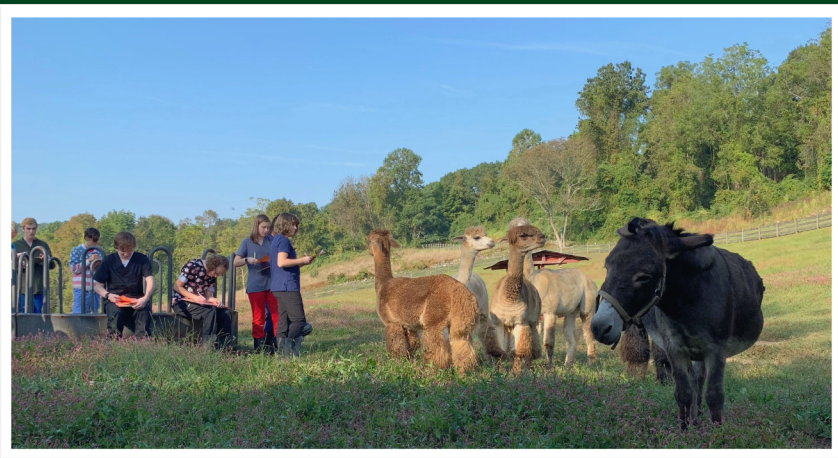
# HUNTERDON COUNTY POLYTECH COURSE OFFERINGS





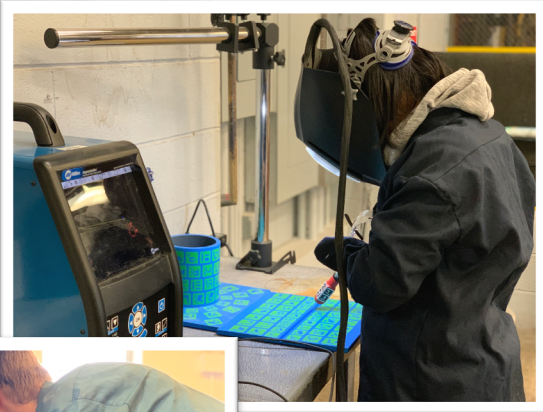
# ANIMAL SCIENCE

- Housed at the ESC Campus
- Small- and Large-Animal Species
- Dog Grooming Clinic
- College credits available through Harcum College and Delaware Valley University



# AUTOMOTIVE

- Auto Collision Repair & Welding
  - I-CAR Pro Level I, I-CAR Welding, OSHA 10 Safety
- Automotive Services
  - Coursework for ASE Student Certifications
- Automotive Technology
  - Several ASE Student Certifications



# BUILDING TECHNOLOGIES

- Construction Science
  - OSHA 10 Safety
- Heavy Equipment Operator Program
  - OSHA 10 Safety, NCCER Heavy Equipment Operations Levels 1 and 2



# COSMETOLOGY

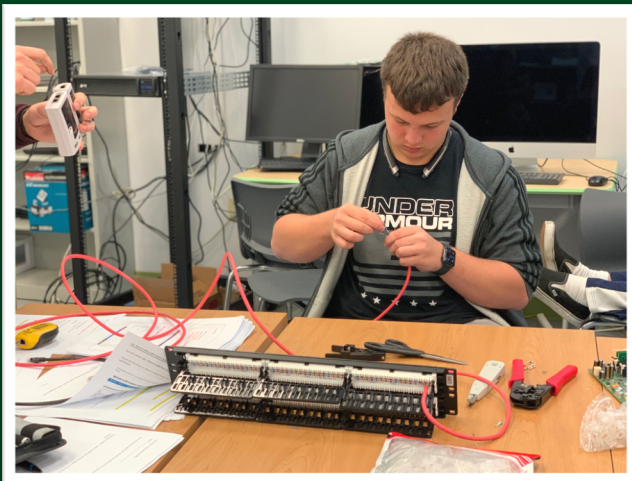
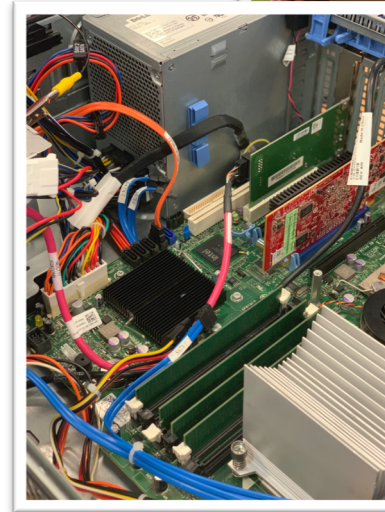


- Practical and Theory: Hair, Nail, Skin Care, and Makeup Application
- Students enrolled in their junior year will be eligible to complete two of the three required courses while in high school, with the option of enrolling in the third course through the Adult Cosmetology Completer Program



# COMPUTER NETWORKING & CYBERSECURITY

- Networking, Cybersecurity, Virtualized Environments
- Install, Manage, Repair, and Troubleshoot PC Hardware and Mobile Technology with Various Operating Systems
- Certifications: CompTIA A+ and CompTIA Net+ (begin CompTIA Security+)



# CULINARY & BAKING ARTS

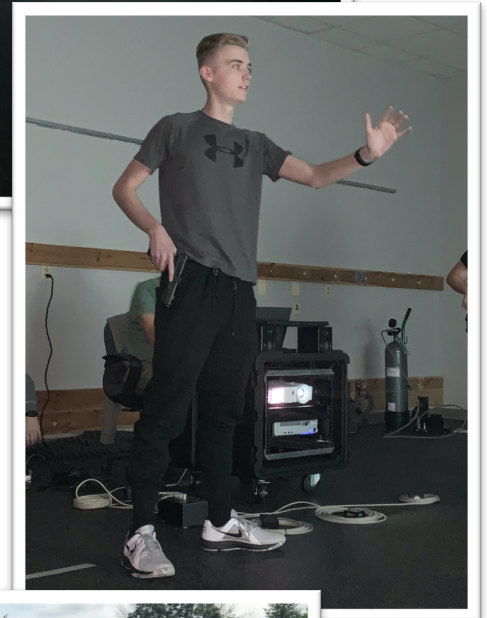
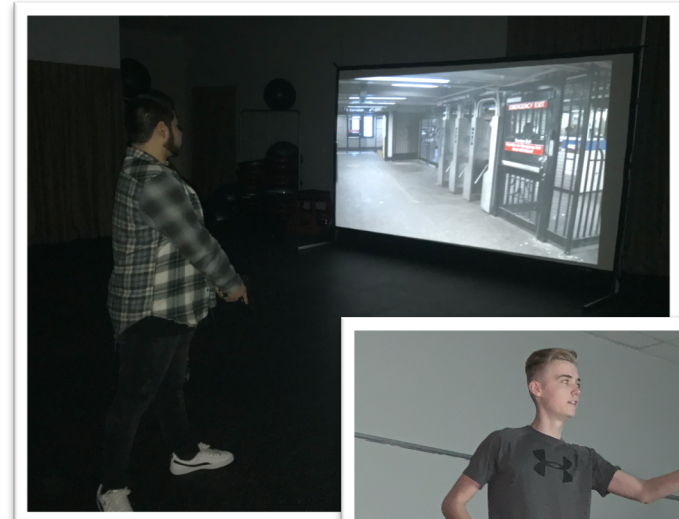


- State-of-the-Art Commercial Kitchen
- Certifications: ServSafe, ProStart National Certificate of Achievement
- Apprenticeship Opportunities Available

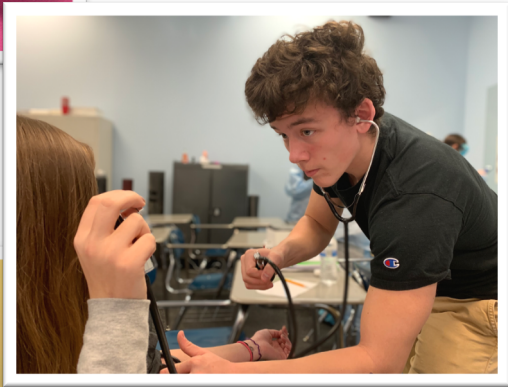


# LAW ENFORCEMENT & HOMELAND SECURITY

- 3.0 GPA requirement with the opportunity to earn up to 9 college credits through RVCC
- Protection of U.S. Citizens, Territory and Assets from External Threats; Criminal Justice System Process and Police Procedures
- Interactive Meggitt L7 Law Enforcement Firearms Training System



# HEALTH & MEDICAL SCIENCES



- Allied Health (No GPA Requirement)
  - Certifications: Certified Clinical Medical Assisting (CCMA), Electrocardiogram (EKG), Phlebotomy, CPR, AED, and First Aid
- Healthcare Science (GPA: 3.0)
  - Exercise Science & Sports Medicine
    - Certifications: American Heart Association Basic Life Support, OSHA 10 Healthcare, First Aid & CPR
    - Earn up to 35 college credits (Rutgers & RVCC)
  - Pre-Nursing
    - Certifications: American Heart Association Basic Life Support, OSHA 10 Healthcare, First Aid & CPR
    - Earn up to 34 college credits (Rutgers & RVCC)



# ART | VISUAL COMMUNICATION

- 3D Computer Animation
  - Foundation in traditional art leads to success in digital art
- Commercial Arts & Advertising Design
  - Bridging the Gap Program
- Graphic Design
  - I I I Studio
  - Opportunity to earn 4 credits through Centenary University





**STRIPES JEWELRY**

HOME SHOP CHARITIES ABOUT CONTACT

**Cure Collection**  
10% of proceeds are donated to St. Jude Children's Hospital

Shop Now

**the "reel" on OVERFISHING**

overfish (v): the depletion of the world's fish stock to what can be replenished sustainably.

**THE THROW: THE CATCH:**

Bottom trawling, the main strategy for catching fish stock, scrapes the bottom of the ocean floor for the catch. This disrupts the sediment and ultimately destroys the ecosystem that thousands of oceanic creatures call their home.

Around **99%** of the world's fish stock are being overfished. Over half of that number are fully exploited, meaning that the fish cannot keep a sustainable population due to demand. Only **1%** are able to maintain a viable population, or have a recovering one.

**FULLY EXPLOITED: 53%**

**MODERATELY EXPLOITED: 15%**

**OVEREXPLOITED: 28%**

The annual global catch weighs **124 MILLION METRIC TONS**, or the weight of **378 EMPIRE STATE BUILDINGS**.

Over **6.8 MILLION TONS** of fish, birds, and mammals are thrown back, and are either dead or dying.

**90%** of top predators are overfished, including **100 MILLION** sharks and swordfish, and **300,000** whales and dolphins are killed, and **300,000** dolphins are killed.

By 2048 - unless product catches fish and regulations will be revised.

**What Can I DO to help?** Be **Informed**, **Know** what you are eating, **Spread the Word**.

# EDUCATION

- Early Childhood Education
  - Kinder Magic Preschool
  - Certifications: First Aid/CPR, progress towards Child Development Associate (CDA) Credential
- Teacher Academy (**GPA: 3.0**)
  - Professional Internships
  - Earn up to 6 college credits through RVCC and Rider University



# FIRE & EMT ACADEMY

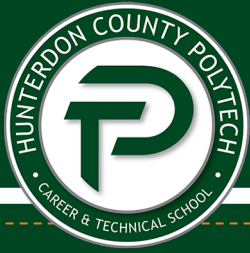
- Fire Academy is taken in the Fall;  
EMT Academy is taken in the Spring
- Requires availability outside of school hours, including evenings and weekends
- Certifications: Firefighter I and EMT
- Reimbursement upon successful completion



# CUSTOMIZED | WORK-BASED LEARNING



- Structured Learning Experience
  - Work experience with weekly class at Polytech
- Supervised School-to-Careers
- Career Prep (**GPA: 3.0**)
  - Earn up to 12 college credits
  - Can include on-campus college work, online instruction, certification courses, or other types of educational experiences
  - Reimbursement upon successful completion

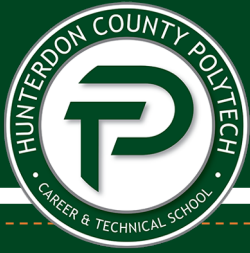


# HOW DOES IT WORK?

- Current **10<sup>th</sup> and 11<sup>th</sup> grade students** are eligible to apply; in some cases, students may be able to apply earlier
- Students complete all academics at their home high school and are bused to Polytech for **half-day** programs
- Most programs are two years and offer **20 practical arts credits** each year. Some programs offer additional high school credit opportunities
- Each program offers a **hands-on, work-based education** with opportunities for students to gain college credits, licensure, credentials, skills and/or certifications

*\* Colleges may require a discounted fee*





# HOW DO I APPLY?



1. Visit **HCVSD.ORG**
2. Click **APPLY TODAY** to start the application
3. Apply by the deadline:  
**DECEMBER 18, 2020**



# LEARN MORE

- Follow Us on Social Media
- Visit Virtual Open House
  - Watch Videos, Email Instructors
  - <https://sites.google.com/hcvsd.org/polytech-open-house/home>





# IMPORTANT DATES

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**VIRTUAL INFORMATION SESSION.....December 12, 2020**

Visit [www.hcvsd.org](http://www.hcvsd.org) to register

**APPLICATION DEADLINE.....December 18, 2020**

**ACCEPTANCE NOTIFICATION.....February 5, 2021**