



"I truly believe this program was a catapult for my college acceptance and my career. It is one of the best decisions that I've ever made for myself. "

Nicole Barreira

Corporate Chef, Great NH Restaurants
2002 Alvirne Culinary Arts Program graduate
2006 SNHU Culinary Arts & Bachelor in Hospitality
2010 SNHU Master in Organizational Leadership/ Marketing



Why CTE?

- Work-based learning
- Job shadows and internships
- Career and technical student organizations
- Gain leadership skills
- Earn college credit

CTE is a fun and engaging way to learn academic and workplace skills!

Visit our website and view program videos at cte.sau81.org/programs

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[facebook.com/AHSCTE](https://www.facebook.com/AHSCTE)



JUMPSTART YOUR FUTURE! EXPLORE CTE PROGRAMS



Alvirne High School
Wilbur H. Palmer Career and Technical Education Center
200 Derry Road
Hudson, NH 03051
603.886.1260 x75010

Career and Technical Education Programs
Wilbur H. Palmer Career and Technical Education Center
at Alvirne High School

Discover CTE →

CTE is...



DIGITAL MEDIA

Develop a theoretical understanding of the systems and equipment used in graphics and web design in this program that also includes an introduction to digital audio and video. You'll use a variety of programs, including Adobe Photoshop, Illustrator, InDesign, Dreamweaver, Final Cut Pro and Animate, as well as exploring languages and technologies such as HTML5 and CSS3.



BUILDING TRADES

This is a two-year program to launch your construction career. Learn the basics of estimating materials, site selection, surveying, excavation, design, foundation work, framing, insulation, drywall, painting, and finishing. Includes OSHA 10 training and certification.



CULINARY ARTS

Learn to cook nutritious meals in this two-year program that prepares you for a career in the Culinary industry. Gain valuable hands-on experience working at our in-house restaurant. You'll learn proper storage and sanitation procedures, nutrition, and knife skills, with the option to become ServSafe certified.



WELDING TECHNOLOGY

You will be prepared for entry level employment in the fields of welding and fabrication. In this two-year program, you'll learn arc, gas, brazing, MIG and TIG welding. Includes OSHA 10 training and certification.



CAREERS IN EDUCATION

Explore different avenues in K-12 education. Students learn through a combination of multi-disciplinary instruction and hands-on learning experiences in classrooms throughout the school district. The goal of the Careers in Education program is to provide students with a variety of experiences to allow them to select a career path before entering college or the workplace. By the end of the two-year program, students can earn 7 college credits which transfer to any college or university.



PRE-ENGINEERING

Understanding the relevance of math and science through real world projects is ideal for anyone interested in engineering or problem solving and productivity. In this Project Lead the Way program, you'll develop many of the skills professionals need to succeed in today's economy, such as problem solving, research and design, and data collection, analysis and teamwork.



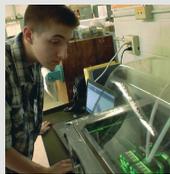
HEALTH SCIENCE & TECHNOLOGY

Acquire firsthand health care experience with this two-year program where you'll learn fundamental skills such as reading vital signs and blood pressure, CPR, and first aid. Participate in the Licensed Nursing Assistant program or choose an area of interest and complete clinical hours in fields such as physical therapy, dental hygiene, and recreational therapy.



VETERINARY SCIENCE

Explore different veterinary career options in this two-year program that offers firsthand experience in safety, handling and restraint techniques, grooming, medical terminology, kennel skills, animal health, and record keeping by working on the school farm with large and small animals. Advanced training is available in areas such as vaccination, deworming, physical exams, nutrition and feed analysis and first aid.



DRAFTING & DESIGN

Learn basic and advanced drafting skills using AutoCAD, Inventor and REVIT. Manufacture designs with a 3D printer using 3D Parametric software, and incorporate structural design and advanced technological design through innovative projects that prepare you for college or your first drafting job.



AIR FORCE JUNIOR ROTC

This program consists of aerospace science, leadership education and wellness. Academic studies include history, space and science. Leadership studies include Air Force management, communication skills, life skills and management studies. You'll participate in wellness activities as well as drill and ceremonies practice.



NATURAL RESOURCES & SUSTAINABILITY

This diverse program readies students for careers in resource conservation, forestry, wildlife management and environmental science. Learn how to meet the needs of the present without compromising future generations. Work on Alvirne's own tree farm, learn natural resource management, obtain skills in the field of ecology and through hydroculture and learn to feed the world.



HEAVY DUTY MECHANICS

Learn basics of gas and diesel engine equipment repair. Topic areas include engines, transmissions, power trains, cooling systems, ignition wiring, fuel systems, preventive maintenance and troubleshooting techniques. Includes OSHA 10 training and certification.



MARKETING

Through classroom and experiential learning, students learn how to plan, promote, and manage a variety of retail environments. This program includes training in financial management, economics, customer service, technology, inventory control and business planning. Students will know how buying and selling impacts a business's bottom line while practicing the real-world skills of merchandising and marketing.



ACCOUNTING

Understand the accounting cycle for a merchandising business, master foundational skills, and learn how to apply them using online and offline tools. Ideal for future business majors.



COMPUTER SCIENCE

Learn fundamental concepts and processes of computer science through fun learning experiences that include graphical and computational programming. Students will learn and apply programming techniques utilizing multiple programming languages and tools to prepare them for a Computer Science major in college or entry level jobs in computer programming.