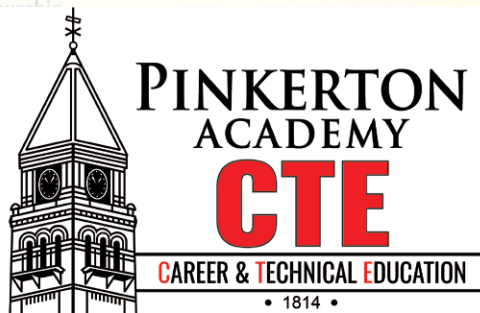


PINKERTON ACADEMY CTE

CAREER & TECHNICAL EDUCATION

• 1814 •

Pinkerton Academy Center for Career and Technical Education (CTE)



Pinkerton Academy CTE is one of twenty-six regional CTE centers in New Hampshire. We are proud of our curriculum and excellent 40-member faculty and staff. Between introductory career discovery courses and in-depth career focused programs, Pinkerton's CTE programs offer over 60 different subjects per year serving more than 3100 students. Of that number, over 920 upperclassmen are enrolled in the 19 career-focused programs.

The majority of CTE content is designed using competencies that are aligned with industry standards and published by the New Hampshire Department of Education. In order to accomplish these, many courses include school-based enterprises (such as: Campus Corner/Marketing, The Astro Café/Culinary, Astro Style/Cosmetology, The Pet Palace/Animal Science), Career and Technical Student Organizations (CTSOs) and a variety of workplace learning opportunities.

CTE Work-Based Learning

Authentic workplace experiences - Industry connections - Safe and structured career exploration
CTE work-based learning provides students with authentic, on-the-job experiences that deeply influence how they develop and direct their college and career plans.



Work in our
in-house businesses.



Meet and have conversations
with industry professionals.



Participate in an
advanced internship.



Earn an industry-recognized
credential.



@PinkertonCTE

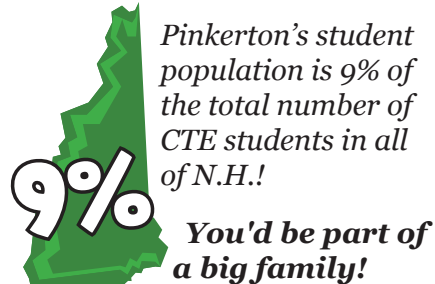
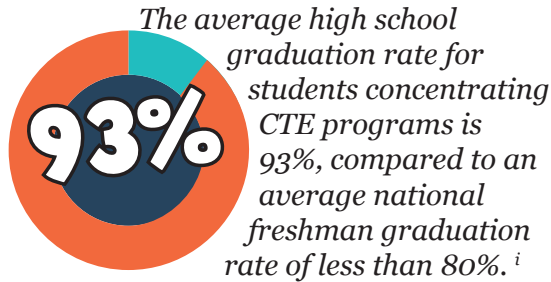


@PA_CTE



@PA_CTE

Why should **YOU** choose **CTE**?



Pinkerton CTE has **more dual and concurrent course offerings** than any other institution in N.H. and one of the largest selections of alternative Technology and Math-focused courses.

Pinkerton CTE's **Impact** on **Graduates**

"I took the Health Sciences EMT program which set me up for a career in Emergency Medical Services. That planted a foundation upon which I completed a college certificate program becoming a nationally registered Paramedic. From there went through the fire academy and currently am employed in a busy, progressive fire department here in NH as a Firefighter/Paramedic."

- Alumni, Health Science Technology

"CTE at Pinkerton put me one step ahead of my peers going into college. I still use the skills I learned in high school for my current position."

- Alumni, Accounting

"I'm really happy I was able to take these classes. I went to Pelham High and was able to take classes here. This definitely helped me to get my internship at the UNH-IOL and to get into RPI. I learned a ton of directly applicable content. I highly doubt classes like this are available at many other high schools."

- Alumni, Engineering

"CTE gave me a real-life experience and skill set that I continue to use often."

- Alumni, Electrical

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www.PinkertonAcademy.org/CTE

Have a Question for us?

Email us at: CTE@PinkertonAcademy.org

Designed by: Mr. Cremone - Teacher, CTE





The Academy of Business and Finance

Develop your understanding and skill in the areas of business, law, economics, financial analysis, human resource management, information management, marketing and operations in this project-based program.

What you will experience

- Experience “opening a franchise” in a foreign country and what it means to go “global”
- Be your own boss: Do you have an idea that could be the next millionaire maker?
- Experience what it means to be a Wall Street trader

Credits & Certifications

- Concurrent Credit
- Articulation Agreements
- NAF Certification
- Internships
- Work-Based Learning

Career Opportunities

Business Manager, Financial Analyst, Financial Advisor, Global Investor

Related Courses

Personal Finance
Global Business and Finance
Entrepreneurship
Intro to Investing
Accounting 1

Affiliated Student Organization(s)



Accounting

Develop your understanding and skills in such areas as accounting, economics, financial analysis and operations in this project-based program.

What you will experience

- Troubleshoot a business' challenge as you follow the money trail
- Become a business' "go to" person and financial guru
- Be part of the AstroCents team to manage real-time accounts for Pinkerton clubs and advisors

Credits & Certifications

- Concurrent Credit
- Internships
- Work-Based Learning

Career Opportunities

Accountant, Controller, Auditor, Payroll Manager, Purchasing Manager, Business Owner

Related Courses

Accounting 1
Accounting 2

Affiliated Student Organization(s)

 **DECA**


SkillsUSA


FBLA



Culinary Arts and Baking

If you love to cook, this hands-on program will provide you with broad and thorough background in the culinary arts to secure employment in the food service and hospitality industry or advanced study at a culinary institute or college.

What you will experience

- Cook and bake alongside professional chefs in a commercial kitchen
- Operate a restaurant preparing gourmet regional and international cuisines
- Prepare for competitions, events and industry certifications

Credits & Certifications

- Articulation Agreements with:
The Culinary Institute of America,
Johnson & Wales University, and SNHU
- Certifications: ProStart, ServSafe Food Handler, ServSafe Manager
- Work-Based Learning

Career Opportunities

Executive Chef, Pastry Chef, Sous Chef, Caterer, Restaurant Cook, Restaurant Manager

Related Courses

Foods
Advanced Foods
Culinary Arts & Baking 1
Culinary Arts & Baking 2

Affiliated Student Organization(s)



Application
through the CTE
office is required



Marketing

Analyze the techniques businesses use to influence consumers' buying decisions and transition from thinking like a consumer to thinking like a marketer while participating in hands-on experiences.

What you will experience

- Manage the student enterprise: Campus Corner
- Create eye-catching advertisements, discover the power of social media, and plan special events
- Develop a deeper understanding of target markets and promotional strategies

Credits & Certifications

- Concurrent Credit
- Internships
- Work-Based Learning

Career Opportunities

Market Research Analysts and Marketing Specialist, Marketing Manager, Public Relations, Sales Manager

Related Courses

Computer Graphics & New Media
Intro to the World of Business & Finance
Sports & Entertainment Marketing
Marketing & Business Management 1
Marketing & Business Management 2 (w/Lab)

Affiliated Student Organization(s)





Computer Information Systems

Become a computer expert in a blend of classroom, on-line, and hands-on learning where you will work on computer modules and simulations to prepare for industry certification exams.

What you will experience

- Experience better game playing, build your own Netflix Server, recover lost data
- Dissect and assemble computers, troubleshoot issues, and configure networks
- Investigate and eliminate security threats to computers and networked systems

Credits & Certifications

- Concurrent Credit
- Certifications:
 - CompTIA (A+, Network+, Security+)
 - Cisco (CCENT, IoT)
 - Microsoft (MTA - Networking & Security)
- Internships
- Work-Based Learning

Career Opportunities

IT Systems Administrator, Network Admin., Cybersecurity Analyst, Computer Maintenance, Telecom Technician

Related Courses

Intro to Computer Science
Computer Information Systems 1
Computer Information Systems 2

Affiliated Student Organization(s)

Application
through the CTE
office is required



Computer Programming

Develop an outstanding computer programming skill set through Python, Java, HTML, CSS and JavaScript. Software used teaches data structures and algorithms which can be used in virtually any career or college major.

What you will experience

- Write code which can power the modern world of game design from mobile applications to intelligent transport systems
- Express your creativity and unlock the solutions to complex problems
- Complete a collaborative capstone project to conclude the course

Credits & Certifications

- Concurrent Credit
- Internships
- Work-Based Learning

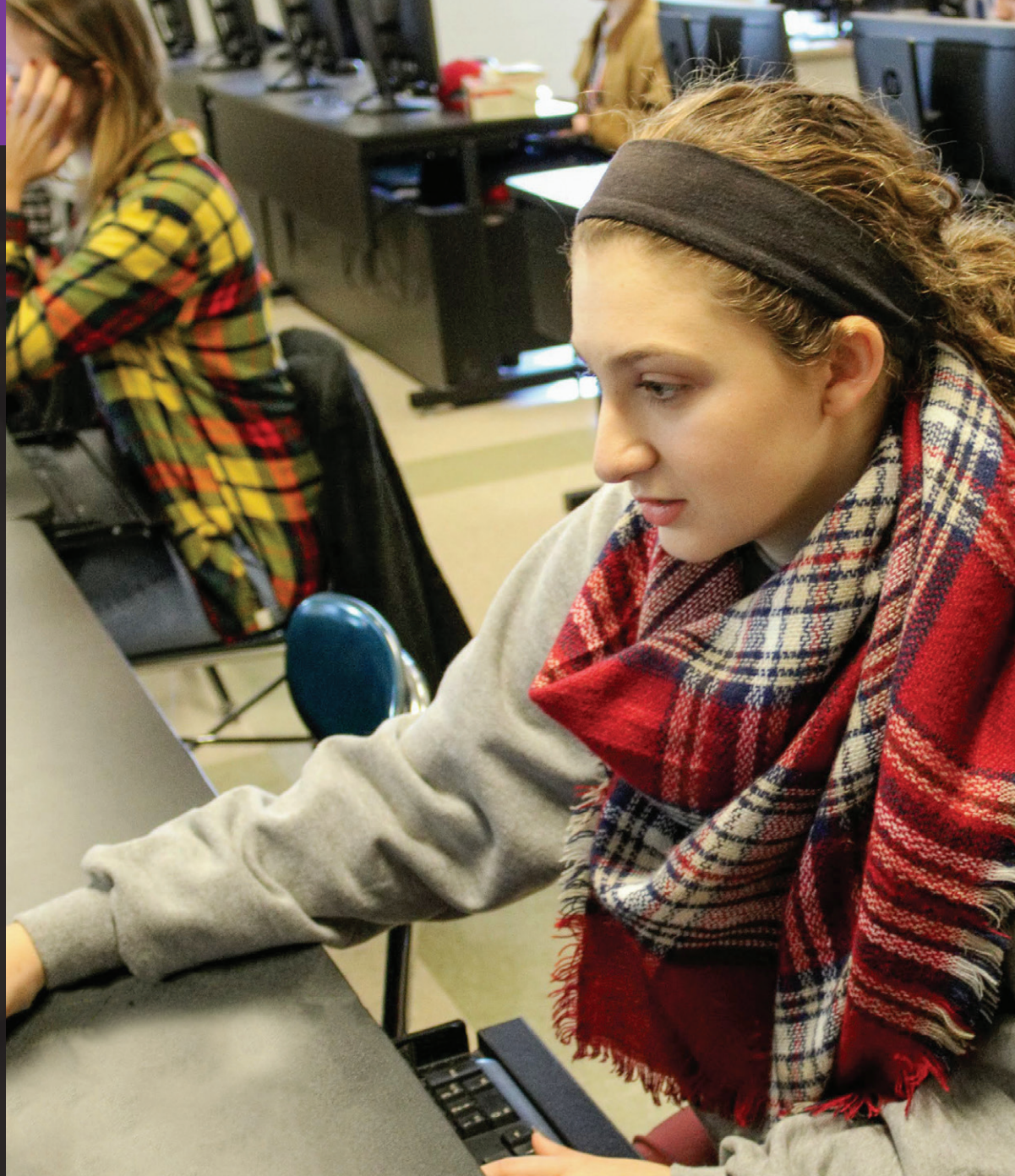
Career Opportunities

Software Engineer, Computer Scientist, Web Developer, Programmer, Data Scientist, IT Administration, Computer Security Researcher

Related Courses

Intro to Computer Science
Web Page Coding & Design
Computer Programming 1
Computer Programming 2
AP Computer Science A

Affiliated Student Organization(s)





Video Production

Experience the creative and technical aspects of video production in this hands-on, project-oriented program that rivals many college programs. Work independently and in crews producing, writing, directing, and videotaping your own projects as well as school and community activities.

What you will experience

- Produce narrative films, music videos, commercials and live multi-camera TV spots
- Become an editing master with Final Cut Pro
- Enter your short films into festivals and film making contests

Credits & Certifications

- Concurrent Credit
- Final Cut Pro Certification
- Internships
- Work-Based Learning

Career Opportunities

Video, TV or Film Producer,
Production Assistant, Video Editor,
Camera Operator

Related Courses

Intro to Audio Production
Intro to Digital Media
Video Production 1
Video Production 2

Affiliated Student Organization(s)

Application
through the CTE
office is required



Animal Science

Explore the world of animal science through the domestication of animals, nutrition and management practices. Learn about veterinary procedures, handling techniques and how to run an animal related business.

What you will experience

- Conduct hands-on activities including grooming, animal training and handling
- Learn about the management and care of small animals and livestock
- Work in our own student-run grooming lab: The PA Pet Palace

Credits & Certifications

- Internships
- Clinicals
- Work-Based Learning

Career Opportunities

Veterinarian, Veterinary Technician, Veterinary Assistant, Animal Behaviorist, Farm Manager, Zoologist, Pet Groomer

Related Courses

Introduction to Animal Science
Animal Management
Animal Health & Veterinary Technology

Affiliated Student Organization(s)



Application
through the CTE
office is required





Environmental Science and Natural Resources

Are you interested in the outdoors, wildlife and the natural world? Design real life hands-on management plans and develop field studies in the vast Pinkerton Academy outdoor classroom.

What you will experience

- Craft NH maple syrup from our own sugar house
- Apply concepts to actual field studies that effect people and the environment
- Create and construct interpretive trail systems for the public

Credits & Certifications

- Articulation Agreements
- Become OSHA-10 Certified
- Work-Based Learning

Career Opportunities

Arborist, Forest & Conservation Technician, Forestry Consultant, Fish and Game Warden, Environmental Engineering Technician

Related Courses

Intro to Environmental Sci. & Natural Resources
Environmental Science and Natural Resources 1
Environmental Science and Natural Resources 2
AP Environmental Science

Affiliated Student Organization(s)



Health Science

This academically rigorous and physically demanding program emphasizes teamwork, interpersonal relationships, and the effective communication skills necessary to work in a healthcare setting as you prepare for a variety of healthcare jobs.

What you will experience

- Explore a wide range of health careers through clinical experiences
- Improve the well-being of others using equipment, technology, and techniques
- Participate in clinical rotations in long-term care facilities

Credits & Certifications

- LNA or EMT State Certification
- AHA Basic Life Support for Health Care Providers Certification
- Concurrent Credit
- Internships
- Work-Based Learning

Career Opportunities

Physician, Nurse, EMT, Physician Assistant, Occupational or Physical Therapist, Pharmacist

Related Courses

Health Science Technology 1

Health Science Technology 2 (EMT, LNA, GEN)

Affiliated Student Organization(s)



Application
through the CTE
office is required



Careers in Education

Gain first-hand experience in careers within the field of education. Become skilled at teaching children of various levels and abilities as you learn about education theory and teaching strategies. Observe and intern in classrooms of various grade levels.

What you will experience

- Experience the impact a teacher can have on the life of a child grades k-12
- Work with 3- to 5-year-olds in our *Little Astros* childcare program
- Influence the future by shaping children's intellectual, social, emotional, and physical development

Credits & Certifications

- Concurrent Credit
- Internships Available
- Work-Based Learning

Career Opportunities

Teacher, Special Education Teacher, School Counselor, Speech/Occupational Therapist

Related Courses

Child Development
Careers in Education 1
Careers in Education 2

Affiliated Student Organization(s)



**EDUCATORS
RISING**

Application
through the CTE
office is required



Cosmetology

Become part of the rapidly expanding beauty and fashion industry and express individual creativity while providing a wide range of artistic hair, nail, and skincare services.

What you will experience

- Express your entrepreneurial spirit
- Utilize the latest techniques and products
- Work in the Astro Style salon ("Open to the Public")

Credits & Certifications

- Earn up to 350 hours towards post-secondary Cosmetology Education
- State Apprentice License
- Work-Based Learning

Career Opportunities

Cosmetologist, Esthetician, Barber, Nail Tech, Receptionist, Instructor, Salon Owner

Related Courses

Cosmetology 1
Cosmetology 2

Affiliated Student Organization(s)



Application
through the CTE
office is required



Architecture & Design

Learn to design the world around you using the latest Autodesk design software and 3D solid modeling.

What you will experience

- Experience the relationship between two- and three-dimensional design
- Explore the art and the importance of architecture
- Complete hands-on activities like the Cardboard Chair design

Credits & Certifications

- Concurrent Credit
- Internships Available
- Work-Based Learning

Career Opportunities

Architect, Building Inspector, Construction Engineer, Drafter, Civil Engineer, Industrial Engineer, Manufacturing Engineer

Related Courses

Intro to Technical & Architectural Drawing
Intro to Computer Aided Drafting
Architecture & Design 1
Architecture & Design 2

Affiliated Student Organization(s)



Automotive

Train alongside an ASE Master Technician for a career in the high-tech automotive repair industry.

What you will experience

- Maintain, repair and fine-tune vehicles in a full-service automotive center
- Troubleshoot complex automotive systems using advanced diagnostic equipment
- Work on foreign, domestic, and alternative fuel cars and trucks

Credits & Certifications

- Concurrent Credit
- Internships Available
- ASE Certification
- Become OSHA-10 Certified
- Work-Based Learning

Career Opportunities

Automotive Technician, Service Writer, Engineer, Parts Distributor, Aviation or Diesel Technician.

Related Courses

Small Engines
Automotive Systems Tech 1
Automotive Systems Tech 2

Affiliated Student Organization(s)



SkillsUSA



Application
through the CTE
office is required

A male student wearing a grey baseball cap, safety glasses, and a black Nike hoodie is focused on cutting a piece of wood with a green and silver Makita circular saw. He is in a well-lit workshop with various tools and materials visible in the background.

Building Construction

Prepare to enter the construction industry through a blend of classroom theory and on-site, hands-on construction projects. Emphasis is placed on workplace and tool safety instruction.

What you will experience

- Construct advanced real world projects
- Build a model house using the phases of home construction
- Learn project management working alongside professional carpenters and general contractors

Credits & Certifications

- Concurrent Credit
- Internships Available
- Become OSHA-10 Certified
- Work-Based Learning

Career Opportunities

Architect, Engineer, Commercial Construction Work, Carpenter, Mason, Contractor, Building Inspector

Related Courses

Woodworking 1, 2 & 3
Building Construction Tech 1
Building Construction Tech 2

Affiliated Student Organization(s)

Application
through the CTE
office is required




SkillsUSA

Electrical

Train alongside Master Electricians to prepare for a career as a high-paid, highly-skilled electrician.

What you will experience

- Control electricity to power the world
- Design and install traditional and alternative energy systems for commercial and residential buildings
- Earn apprenticeship experience towards a journeyman's license

Credits & Certifications

- Concurrent Credit
- State Apprentice License
- Become OSHA-10 Certified
- Work-Based Learning

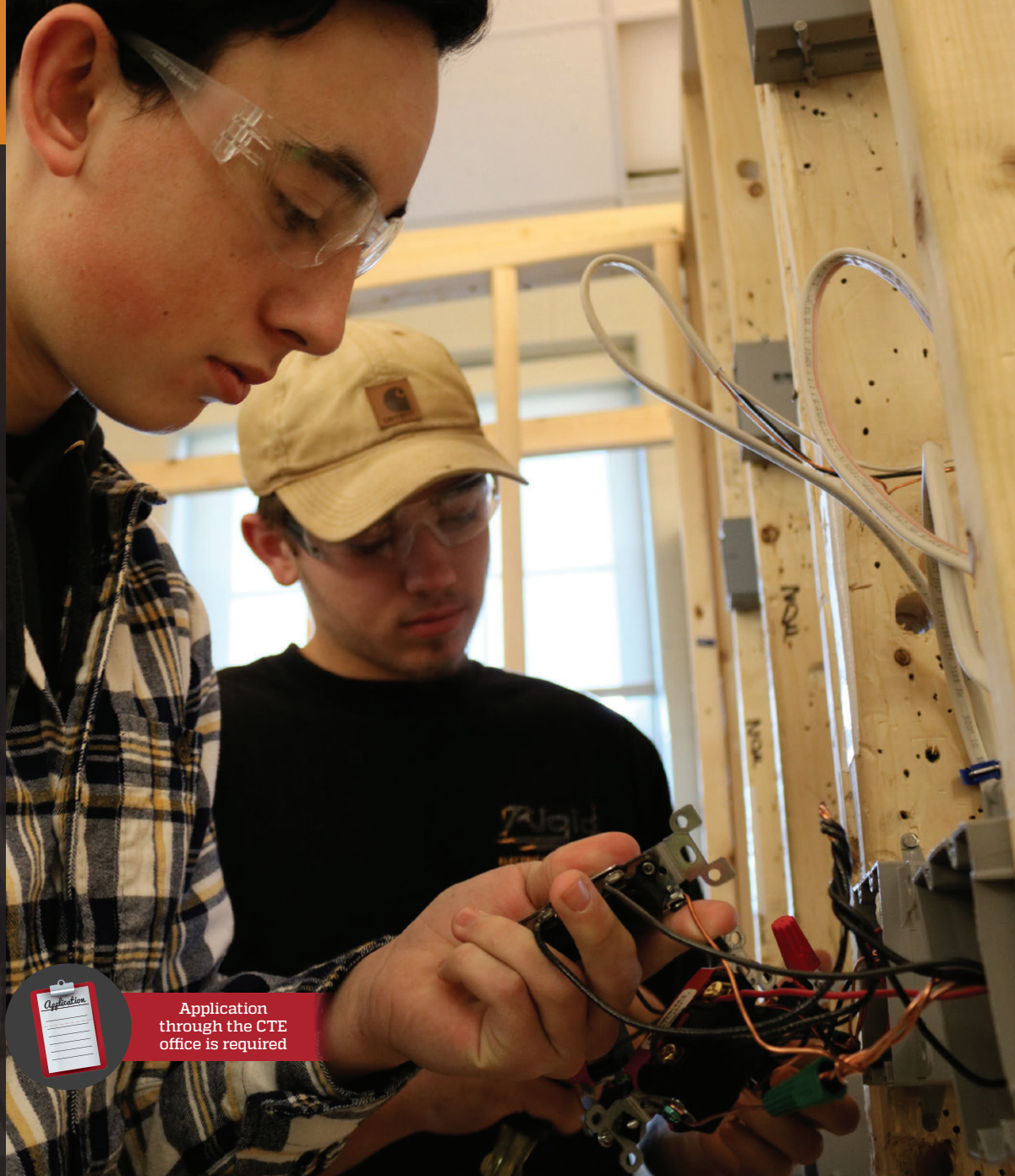
Career Opportunities

Electrical Apprentice, Electrician, Electrical Engineer, Utility Lineman, Medical Electronics, Telecom Technician

Related Courses

Intro to Electrical Systems
Electrical Tech 1
Electrical Tech 2

Affiliated Student Organization(s)



Application
through the CTE
office is required



Engineering

Engage in a blend of academic units combined with design challenges to learn to work as a team. This is a unique opportunity to apply engineering, science, math, and technology to solve complex, open-ended problems in a real-world context.

What you will experience

- Focus on the process of defining and solving a problem, not on getting the “right” answer
- Invent, design and create things with your hands and see how things work
- Adopt a problem solving mindset that can be applied in any field

Credits & Certifications

- Concurrent Credit
- AP + PLTW Certification
- Internships
- Work-Based Learning

Career Opportunities

Engineering (Chemical, Mechanical, Civil, Architectural, Robotics, Aerospace, etc.), Physics, Product Design, Manufacturing

Related Courses

Intro to Engineering Design
Principles of Engineering
Digital Electronics
Computer Integrated Manufacturing
Engineering Design & Development

Affiliated Student Organization(s)



Welding

The courageous person interested in a welding career will develop skills using state-of-the-art equipment to build the world around them.

What you will experience

- Learn to control fire, electricity and heat to design, fabricate or dismantle products
- Use advanced equipment and techniques to join, cut, bend and manipulate metal
- Prepare for a high paying career anywhere in the world

Credits & Certifications

- Internships
- Become OSHA-10 Certified
- Work-Based Learning

Career Opportunities

Welding Engineer, Welder, Sheet Metal Fabricator, Welding Inspector, Steel Worker

Related Courses

Welding Technology 1
Welding Technology 2

Affiliated Student Organization(s)



Application
through the CTE
office is required



Frequently Asked Questions

Who can attend?

- CTE courses and programs are open to all Pinkerton Academy students.
- Some programs are also open to students from Pelham, Salem, Timberlane and Windham High Schools.

How will I get there?

- If you are not a Pinkerton student, bus transportation is provided or you may receive a transportation stipend.

When do I apply?

- Early registration is open in January.

How do I apply?

- Visit our website at www.PinkertonAcademy.org/CTE and click on “How to Apply” in the menu.
- Area school students submit applications through your school counseling office.

If I submit an application to the CTE Office, do I still register in Aspen?

- Yes, register your selection in Aspen.

When will I know if I got into the program?

- All Pinkerton students will be notified before February vacation as to the status of their application.
- Area school students will receive notification from your home school.

Think Non-Traditional!

Don't let gender-role stereotypes limit your options. Base your career plans on what you know about yourself and the future workplace.

What is a non-traditional occupation?

A non-traditional occupation is an occupation in which 75% or more of the persons in that field are of the same gender.

Why consider a non-traditional occupation?

The best reasons for considering non-traditional career choices are simple and direct: increased pay and wider choice of career options. Nontraditional occupations for women will earn 150% more over a lifetime of work than a traditional occupation for women.



Think women can't

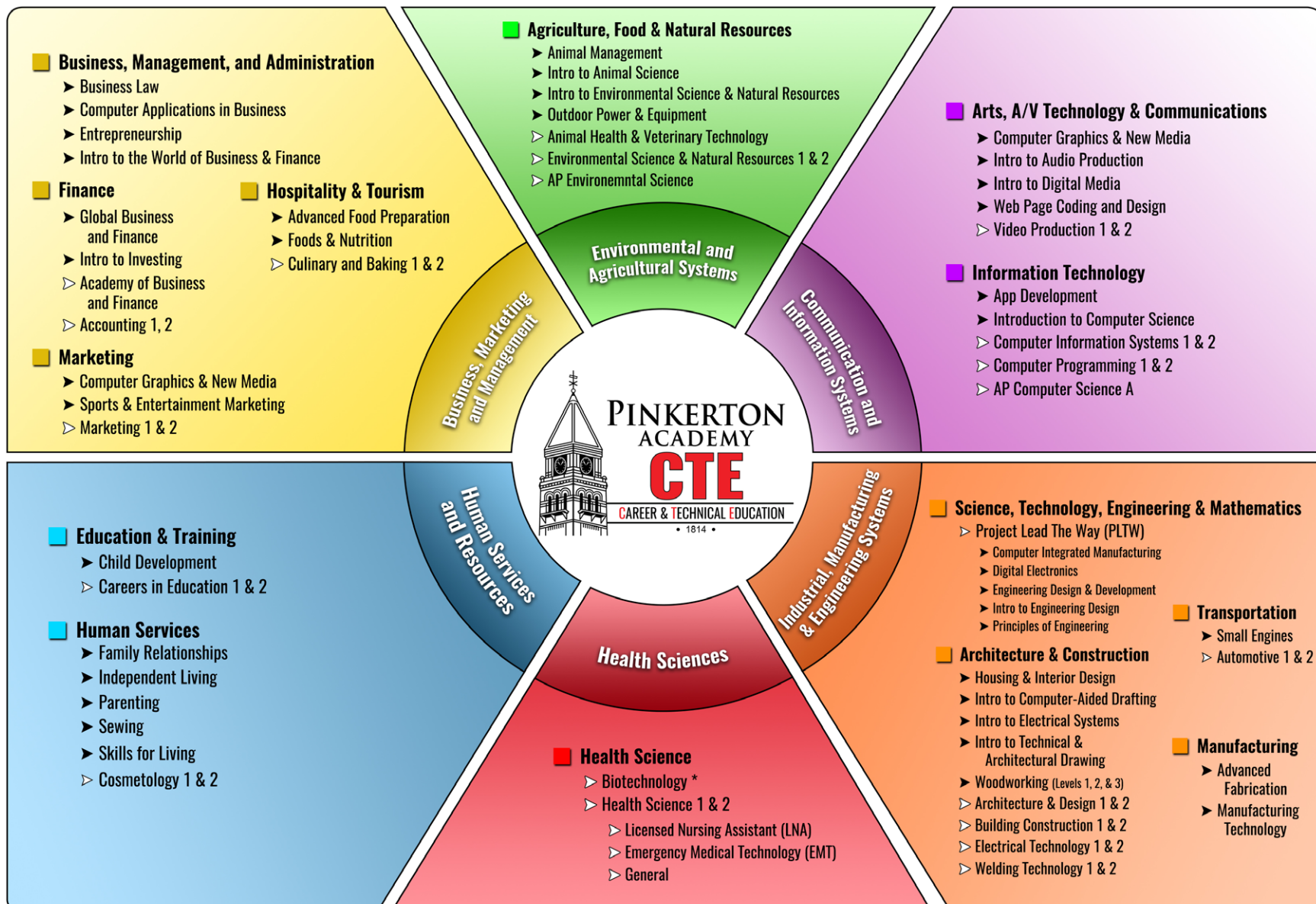
- ...be Construction Workers?
- ...be Engineers?
- ...be Architects?

Think men can't....

- ...be Nurses?
- ...be Cosmetologists?



Think again!!!



▶ - Career Discovery Course (typically .5 credit)

➤ - Career Focused Program (typically full year/double-period, 2-credit)

* - Available at Salem CTE Center

For full course descriptions, pre-requisites, and registration details, please visit us online or refer to the Pinkerton Academy Course Catalog