



2024-2025 PROGRAM GUIDE

Serving Two Locations:

Butler Farm Campus

520 Butler Farm Rd

Hampton, VA 23666

757-766-1100

Woodside Lane Campus

13400 Woodside Lane Rd

Newport News, VA 23608

757-874-4444

ILLUMINATING MINDS. IGNITING PASSIONS. SHAPING FUTURES

Program Guide Contents

Program Guide Contents	1
Campus Locations	2
General Info/ Cost/ Transportation/ Board Members & Superintendents	3-4
List of Classes by Campus & Cluster	5
Career Pathway	6
Employability & Grading Criteria	7-8
Listing of Programs	9-36
Work-Based Learning Opportunities	37
Youth Builders Pre Apprentice Program	38
Hampton Roads IBEW Pre-Apprentice Program	39
Good Life Solution Program	40-41
National Technical Honors Society	42
Student Council Ambassadors	43
Hampton Roads Public Works Academy Cadet Program	44
Skills USA	45
Esports	46
Adult Apprenticeship & Youth Workforce Opportunities	47
Dual Enrollment, Seals, Sequential Electives & Certifications	48-49
Social Media	50
Program of Studies	51

Course Offerings	Page #
Auto Body & Collision Technology	9
Automotive Technology	10
Building Construction	11
CISCO Networking	12
Computer Programming & Gaming Applications	13
Criminal Justice	14
Cosmetology	16
Culinary Arts	16
CyberSecurity Operations	17
CyberSecurity Systems Technology	18
Dental Careers	19
Early Childhood Education	20
Electrical & Renewable Energy	21
EMT	22
Fire Fighting	23
HVAC	24
Marine Service Technology	25
Mechatronics	26
Medical Assistant	27
Nurse Aide	28
Patient Care Technician	29
Pharmacy Technician	30
Plumbing & Pipelfiting	31
Physical/ Occupational Therapy	32
Unmanned Aircraft Systems	33
Veterinary Science	34
Virtual Machining & Design	35
Welding	36



Campus Locations

Butler Farm Campus (Hampton)

Principal: Dewey Ray
Assistant Principal: Mia Stephens
520 Butler Farm Rd, Hampton, VA 23666
Telephone: 757-766-1100
Fax: 757-766-3591



Woodside Lane Campus (Newport News)

Principal: Nicole Stephens
Assistant Principal: Chester Hall
13400 Woodside Lane, Newport News, VA 23608
Building A
Telephone: 757-874-4444
Fax: 757-872-8951



New Horizons Regional Education Centers does not discriminate on the basis of race, color, national origin, sex, creed, marital status, age or disability in its programs, activities, or employment practices as required by the Title VI, Title VII, Title IX, Section 504, and ADA regulations. The following office has been designated to handle inquiries regarding the non-discrimination policies:

**Human Resources
520 Butler Farm Road
Hampton, VA 23666
(757) 766-1100 ext. 3377**

BOARD OF TRUSTEES

Dr. Reginald Woodhouse, Board Chair- *Hampton City Public Schools*

Dr. Terri Best, Vice-Chair- *Newport News Public Schools*

Sandra Young- *Williamsburg-James City County Public Schools*

Karen Espinoza- *Gloucester County Public Schools*

Dr. Timothy Goodale- *Poquoson City Public Schools*

SUPERINTENDENTS

Mr. Arty Tillett- Superintendent-In-Charge -*Poquoson City Public Schools*

Dr. Michele Mitchell- *Newport News Public Schools*

Dr. Tony Vladu- *Gloucester City Public Schools*

Dr. Raymond Haynes- *Hampton City Public Schools*

Dr. Olwen Herron- *Williamsburg/JCC Public Schools*

Dr. Victor Shandor- *York County School Division*

New Horizons Regional Education Centers

Executive Director

Casey M. Roberts

New Horizons Regional Education Centers has provided over 50 years of quality education to the Greater Virginia Peninsula. New Horizons Regional Education Centers (NHREC) is owned and operated by the six Greater Peninsula school divisions. Founded in 1965, New Horizons is the largest of the nine regional centers in the Commonwealth of Virginia in both size and service scope. The organization provides regional programming in career and technical education, special education, gifted education, adult training/apprenticeships, and youth workforce initiatives and serves over 1,500 public school students and 1,200 adult learners per year.

Purpose of This Publication

This publication serves as a guide to Career and Technical Education Center (CTEC) programs for high school students. It is designed to provide the information necessary for students to plan their classes in CTEC programs. If you have questions concerning any of the listed courses, please contact the New Horizons Registrar, Virginia Price, at (757) 766-1100, ext. 3307.

Special Education

New Horizons Career and Technical Education Centers comply with all state and federal requirements to appropriately serve the needs of students from special education. When students with special needs are enrolled in programs at New Horizons CTEC, the teacher should be invited to participate in the development of that student's Individualized Education Plan. The teacher will be able to assist in determining appropriate modifications or teaching strategies to ensure student success in New Horizons CTEC programs.

Admission

Career and Technical Education Center programs and courses are available to juniors and seniors in the following school divisions: Gloucester, Hampton, Newport News, Poquoson, Williamsburg/James City County, and York County. Course admission is subject to policies of the individual school divisions and the availability of space in the class. Grades and attendance are also factored in deciding admission to programs. Students wishing to attend should obtain applications from their high school counselors or online at www.nhrec.org/careertechnicalcenter.

Generally, high school students are enrolled in New Horizons during their junior and senior years. They spend two hours and twenty minutes a day at New Horizons in a CTEC class and the remainder of their high school day at their home school.

Each CTEC program has an activity fee and personal equipment fee for consumables and other class materials. All courses require participation in co-curricular student organizations and the membership dues are included in the activity fee.

Students applying for CTEC courses can select a second and third-preference course. However, only one-course offering is required to complete the application. CTEC course offerings are subject to a minimum level of enrollment and funding for the program.

Cost

All CTE class tuition is covered by the supporting 6 school divisions, however, class equipment fees will vary (\$20-\$300) depending on the trade class that you are accepted in. These may change every year. Fees will be discussed in Orientation and students have until September 30th to pay them.

Transportation

Students enrolled in New Horizons are provided transportation by their school divisions. Limited parking on campus is available for a fee for students who wish to drive.

Cluster

Butler Farm Campus (Hampton)

Woodside Lane Campus (Newport News)



Transportation & Logistics

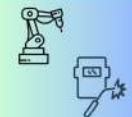
- Auto Body & Collision
- Automotive Technology
- Marine Service Technology

- Unmanned Aircraft Systems



Architecture & Construction

- Building Construction
- Electricity & Renewable Energy
- HVAC (Heating, Ventilation, Air Conditioning)
- Plumbing & Pipefitting



Manufacturing Technology

- Virtual Machining & Design
- Mechatronics
- Welding I&II

- Welding I&II



Health Sciences

- Dental Careers
- Medical Assistant
- Nurse Aide
- Patient Care Technician
- Physical & Occupational Therapy

- Pharmacy Technician
- Veterinary Science



Human Services

- Cosmetology I&II

- Cosmetology I & II
- Culinary Arts I&II
- Early Childhood Education



Information Technology

- Cybersecurity Operations

- Cisco Networking I&II
- Computer Programming
- Cybersecurity Systems Technology



Public Service

- Criminal Justice
- Emergency Medical Technician
- Fire Fighter

- Criminal Justice
- Fire Fighter

Start your pathway to a successful future with limitless possibilities!

Be ahead of the curve by taking the right course at the right time!

Classes to take in Grades 7 & 8

- Algebra I
- World Language
- Earth Science

Classes to take in Grades 9 - 11

- Algebra I, Geometry, and Algebra II
- Biology
- Chemistry
- English

New Horizons CTE Program to take in Grades 11 & 12

- | | | |
|---|--|---|
| <ul style="list-style-type: none"> • Auto Body & Collision • Auto Technology • Building Construction • Cisco Networking • Cybersecurity Operations • Cybersecurity Systems Technology • Computer Programming & Gaming Applications • Electricity & Renewable Energy | <ul style="list-style-type: none"> • HVAC (Heating, Ventilation, Air Conditioning) • Marine Service Technology • Mechatronics • Plumbing & Pipefitting • Virtual Machining & Design • Cosmetology • Criminal Justice • Culinary Arts • Dental Careers • Emergency Medical Technician | <ul style="list-style-type: none"> • Early Childhood Education • Fire Fighter • Medical Assistant • Nurse Aide • Patient Care Technician • Pharmacy Technician • Physical Therapy & Occupational Therapy • Unmanned Aircraft Systems • Veterinary Science • Welding |
|---|--|---|



TO LEARN MORE
SCAN HERE



EDUCATION

Pursue post-secondary opportunities:
Associates Degree (2 yrs)
Bachelors Degree (4 yrs)

EMPLOYMENT

Join the workforce with state or national entry level industry credentials. Our graduates earn a higher starting salary with credited years of experience for prior training.

ENLIST

US Army
US Marines
US Coast Guard
US Navy
US Air Force
US Space Force
National Guard
Reserves

ENTREPRENEURSHIP

Start your own business using the knowledge and earned state or national entry level industry credentials!

EMPLOYABILITY

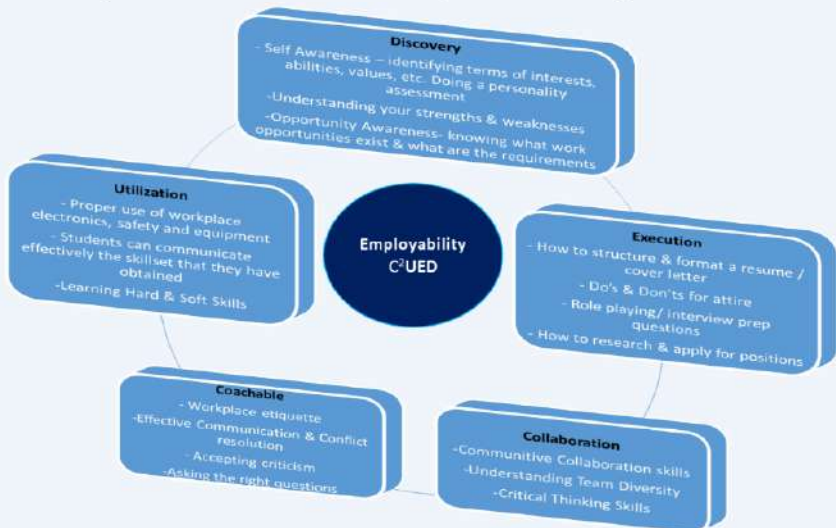
C²UED



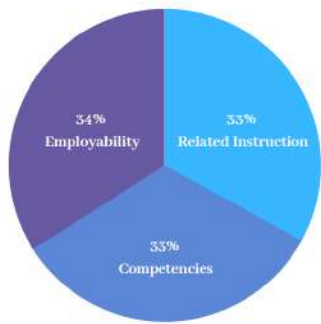
Employability refers to the attributes of a person that make that person able to gain and maintain employment. Employability skills are the core, transferrable skills that are needed in nearly every job. We will use guest speakers, classroom workshops, internship and co-op programs, role playing, mock phone calls/ interviews or interactions with local professionals.

We want the students to be C²UED in Employability

1. **Coachable**- Can the student follow directives?
2. **Collaboration**-Can the student use critical thinking skills & work with others?
3. **Utilization**-Does the student apply skills learned safely & efficiently?
4. **Execution**- Can the student use the knowledge learned to obtain employment?
5. **Discovery**- Is the student aware of their strengths & the career opportunities available?



“Illuminating Minds, Igniting Passions and Shaping Futures”



Three factors contribute to the calculation of the student's grade:

Employability Skills = 34%

Work-related attributes that are graded on a daily basis.

Workforce Wednesday weekly lessons, assignments & and quizzes are incorporated into this grade.

- See C²UED Employability page

Related Instruction = 33%

Refers to all work except tests on competencies and includes practices of competencies, theory, skill assessments, quizzes, and project-based learning activities.

Competencies = 33%

Actual performance skill tasks (hands-on execution) the students must perform throughout the year.

Grading Scale

90-100 = A

80-89 = B

70-79 = C

60-69 = D

59 & under = F

Auto Body & Collision Technology I, II, III

(Hampton Campus) Course #8676/8677/8678
Transportation, Distribution & Logistics Cluster
One Year Program



About the program: In the global automotive collision repair industry, there is a growing demand for qualified auto body technicians. In this program, students are taught damage analysis, estimating, customer service, non-structural analysis, damage repair, surface preparation, spray gun, and related equipment operation, pain mixing, matching and applying, and final vehicle detailing, and welding. Students work with a variety of materials, using metal finishing and body-filling techniques to prepare surfaces and repair panels. Students who successfully complete this program may be eligible to take the ASE Student Certification examinations. Instructor recommendations are required for students to return to Auto Body Technology III. Selected students may be eligible for work experience at local repair facilities.

Requirements/Expectations:

- Minimum 1.5 GPA or above
- Not recommended for students w/ respiratory or allergy problems
- Completed 10th grade English with a grade of "C" or better
- Students must wear uniforms, safety glasses, leather work shoes, and other safety equipment required by the program
- Be able to analyze and problem solve
- Demonstrate artistic ability
- Sand, prime, paint, fit, and weld, automotive parts

Topics of study:

- Shop safety
- Installation of vehicle parts & accessories
- Preparation of compounds & solution
- Structural repair
- Painting & refinishing
- Damage analysis
- Estimating
- Careers in the Collision Repair Industry

Certifications:

- Automotive Service Excellence (ASE) Student Certifications Structural, Nonstructural, Painting & Refinishing, and Mechanical & Electrical

Career Pathways:

- Collision Repair Technician
- Claims Adjuster
- Management/Shop Foreman
- Painter
- Collision Repair Assistant
- Painter Helper

Automotive Technology I & II

(Hampton Campus) Course #8506/8507

Transportation, Distribution & Logistics Cluster
Two Year Program

College
Credit
Available



About the program: In this program, students explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drive trains and axles, suspension and steering systems, and brakes. Second-year students will build up their basic knowledge and learn about electrical, electronic, and HVAC systems in automobiles. Students who successfully complete the program may be eligible to take the ASE Student Certification examination. The ASE Student Certification is the first step in building a career as a service professional in the automotive industry. Summer mentorship opportunities are available in this program.

Requirements/Expectations:

- Minimum GPA of 2.0 if seeking dual enrollment credit for this program
- Completion of 10th grade English with a grade of "C" or better
- Use mechanical tools, instruments, and computerized diagnostic devices
- Pass at least one ASE student-level certification
- Must possess a driver's license or permit-OJT required in 2nd year of the program
- Completion of Auto Tech I with a grade of "C" or better is required to return for AutoTech II

Certifications:

- Automotive Service Excellence (ASE)
- Student Certifications Suspension & Steering,
- Manual Drive & Axles, Heating & Air Conditioning, Engine Repair, Engine Performance, Electronic/Electrical Systems, Brakes, Automatic Transmission/ Transaxle, Automotive ServiceTech, and Maintenance & Light Repair

Topics of study:

- Shop safety
- Automatic transmissions & transaxles
- Preparation of compounds & solution
- Engine Performance & Structural Repair
- Brakes
- Repair Analysis
- Electrical Systems & Heating/ Air Conditioning

Career Pathways:

- Master Technician
- Service Manager
- Shop Owner
- Automotive Technician
- Aviation Mechanic
- NASCAR Mechanic

Building Construction I, II, III

(Newport News Campus) Course #8515,8601,8602,8603

Architecture & Construction Cluster

One Year Program



About the Program:

This program is foundational for achieving high-level; construction industry skills that can result in an exciting and lucrative career. With an emphasis on safety, students are taught to use hand and power tools, cut stock, apply construction math, interpret blueprints, and understand basic rigging. Students will become proficient in identifying and installing types of residential construction components to frame walls, floors, and ceilings, roofs, trusses, interior & exterior doors & windows and stairs. Students will explore specialized areas or carpentry, such as building decks, porches, and chairs as well as energy efficiency and green technology. Exploration of licensure requirements and entrepreneurial opportunities is emphasized. All students will obtain the required Construction Industry OSHA safety credential.

Requirements/Expectations:

- Minimum 1.5 GPA or above
- Successfully complete Algebra I
- Understanding of measurements & fractions
- Successfully complete 10th-grade English with a grade of 'C' or better
- Solving Problems using hands & mind

Topics of Study:

- Interpret blueprints, schematics, digital designs
- Construction Industry standards
- Pre Construction planning & estimating
- Installation of drywall, windows, doors, decks, sheds & siding

Certifications:

- NCCER- Core & Level I
- OSHA 10 Certification

Career Pathways:

- Construction Estimator
- Safety Manager
- Project Foreman
- Surveyor
- Brick Mason
- Construction or Civil Engineer

Cisco Networking I & II

(Newport News Campus) Course #8542/8543/8544/8545
Information Technology Cluster
Two Year Program

College
Credit
Available



About the program:

This is a rigorous industry-designed course taught by a Cisco-certified instructor in a highly technical networking lab. The first year qualifies the student to take the Certipoint IT Specialist –Networking exam. The second year offers the potential for students to take the Cisco CCNA exam through training in configuring and troubleshooting routers, switches, and network devices. This class is dual-enrolled with college credits at Virginia Peninsula Community College each year of participation. Students in this program have the opportunity to participate in the Electronic Sports (ESPORTS) team. This team uses video games for competition requiring strategy, teamwork, leadership, communication, and the skills to win.

Class only offered in the PM session.

Dual Enrollment Requirements:

- According to Virginia Peninsula Community College, the student must possess a minimum GPA of 3.0 to show English & Math proficiency in order to receive dual enrollment credit.
- Completion of Algebra II with a grade of “C” or better **or** completed Algebra I and Geometry with a “B” or better

Topics of study:

- Network Protocols & Models
- Network Device Configuration
- Routing & Switching
- Wireless Networking
- Network Security
- Network Management
- Network Design & Network Troubleshooting
- Network Automation
- Enterprise Networking

Requirements/Expectations:

- Protecting computer systems and data
- Configuring network routers
- Developing network security policies

Certifications:

- Cisco Certified Network Associate (CCNA) Exam
- Certipoint – IT Specialist – Networking

Career Pathways:

- Network Administrator
- Network Support Specialist
- Computer Security Specialist
- Network Engineer

Computer Programming & Gaming Applications

(Newport News Campus) Course #6640/6641

Information Technology Cluster

One Year Program



College
Credit
Available



About the program:

This industry-designed course allows students to learn fundamental programming concepts in the Java programming language. Students will also learn the core topics in object-oriented programming and design applications in their areas of interest. This class is dual-enrolled with college credits at Virginia Peninsula Community College each year of participation. Students in this program have the opportunity to participate in the Electronic Sports (ESPORTS) team. This team uses video games for competition requiring strategy, teamwork, leadership, communication, and the skills to win.

Dual Enrollment Requirements:

- According to Virginia Peninsula Community College, the student must possess a minimum GPA of 3.0 to show English & Math proficiency in order to receive dual enrollment credit.
- Completion of Algebra II with a grade of "C" or better **or** completed Algebra I and Geometry with a "B" or better

Topics of study:

- Programming Basics
- Java Networking
- Gaming Applications
- Object-oriented programming & design (Java)
- Data structures
- Algorithms
- Application Development

Certifications:

- Certiport – IT Specialist – JAVA

Requirements/Expectations:

- Creating gaming and other multimedia applications
- Creating web-based applications
- Developing computer programs
- Developing websites
- Learning code and graphical interfaces

Career Pathways:

- Software Developer
- Web Developer/Digital Designer
- Computer Programmer
- Game Designer
- Game Programmer
- Lead Programmer

Cosmetology I & II

(Hampton & Newport News Campus) Course #8745/8746
Human Services Cluster
Two Year Program



About the program:

Upon successful completion of this two-year program, students are expected to take the Commonwealth of VA State Cosmetology examination in order to become licensed practitioners. Students gain practical experience working in the cosmetology clinic/lab/salon on several platforms.

Cosmetology I - Only offered in the PM Session
Cosmetology II - Only offered in the AM Session

Requirements/Expectations:

- Minimum 2.0 GPA or above
- Successfully complete 10th-grade English with a grade of 'C' or better
- Completed or currently enrolled in biology or chemistry
- Meet department of Professional & Occupational Regulation (DPOR)
- Ability to multi-task
- Good social & communication skills
- Creativity & artistic ability
- Customer Service Skills

Topics of study:

- Professional Ethics & Business Skills
- Safety & Health
- Hair cutting, shaping, and analysis
- Hair & scalp diseases & disorders
- Shampoos, rinses, conditioners, & treatments
- Hair structure, scalp, & hair treatments
- Anatomy & physiology & Chemical texture services
- Hair styling, coloring, & lightening
- Nail & skincare & procedures

Certifications:

- NOCTI – Cosmetology
- Virginia State Cosmetology Licensing Exam

Career Pathways:

- Hairstylist/Barber
- Shop Owner or Manager
- Make-Up Artist
- Esthetician
- Nail Technician
- Cosmetics Salesperson
- Color Specialist
- Wedding & Event Stylist
- Cosmetology/Barbering Instructor

Criminal Justice

(Hampton & Newport News Campus) Course #8702/8703
Law, Public Safety, Corrections & Security Cluster
One Year Program



College
Credit
Available



About the program:

Students in this one-year program are preparing for many of the exciting, challenging, and rewarding careers in the criminal justice field. Students will study the history of and types of law enforcement requirements as they gain an understanding of local, state, and federal law enforcement departments and jurisdictions. Students will learn about and use some of the newest technology in the criminal justice field as they undertake and engage in crime scene investigations. Local state, federal, and private sector industry professionals provide classroom presentations and hands-on training opportunities. Students will also learn about the court system and corrections.

Dual Enrollment Requirements:

According to Virginia Peninsula Community College, the student must possess a minimum GPA of 2.0 to show English & Math proficiency in order to receive dual enrollment credit.

Topics of study:

- Criminal Investigations
- Emergency Response
- Search & Seizure
- Arrest Procedures & Patrol Operations
- Court Procedures & Juvenile Justice
- Criminal Law
- AED/CPR & First Aid
- Corrections & Forensics
- Crime Scene Investigations

Requirements/Expectations:

- Completion of English 10 with a grade of "C" or above
- Fast-paced working environment

Certifications:

- NOCTI – Criminal Justice

Career Pathways:

- Forensic Investigations & Private Security
- DEA & FBI
- Police & Sheriff Departments
- Secret Service
- Corrections & Juvenile Services
- State Police Agencies

Culinary Arts I & II

(Newport News Campus) Course #8275/8276
Hospitality & Tourism Cluster
Two Year Program



About the program:

Culinary Arts is a two-year program that prepares students to enter employment in food service occupations. Instruction focuses on sanitation, nutrition, food preparation, purchasing, and inventory control in addition to food presentation and service. Students plan menus, prepare food and use a variety of kitchen equipment such as ovens, grills, broilers, slicers, grinders, and blenders.

Culinary I - Only offered in the PM Session
Culinary II - Only offered in the AM Session

Topics of study:

- Cooking meals according to specific customer requests
- Preparing special meals for patients as instructed by a dietician
- Estimating requirements for food and other supplies based on customer numbers
- Supervising and training other cooks
- Planning menus, taking advantage of foods in season and available locally
- Ordering food and kitchen supplies and keeping detailed records and accounts

Requirements/Expectations:

- Minimum 2.0 GPA or above
- Must possess adaptability & the desire to work with people
- Have the ability to accurately perform measurements, whole numbers, decimals, and fractional conversions
- Completion of English 10 with a grade of "C" or above
- Must possess adaptability and the desire to work with people

Certifications:

- NOCTI Examination
- ServSafe Manager (Culinary 2)
- ServSafe Food Handlers (Culinary 1)
- Prostart level 1 and 2

Career Pathways:

- Waiters/Waitresses
- Prep Cooks
- Short Order Cooks
- Line Cooks
- Chefs
- Shift or Restaurant Managers

Cybersecurity Operations

(Hampton #)
Information Technology Cluster
One Year Program



About the program:

Designed to teach network administration & security- software based. Students install, configure, and secure various operating systems. Students will troubleshoot computers, and use system tools & diagnostic software. In addition, students explore the relationships between internal & external computer components. Students will train in procedures for optimizing & troubleshooting concepts for computer systems, subsystems, and networks. Students will gain a basic understanding of emerging technologies including unified communications, mobile, cloud, & virtualization technologies.

Class offered at the Butler Farm Campus ONLY
AM & PM Sessions Available

Requirements/Expectations:

- Minimum 2.5 GPA or above
- Completion of a computer applications course
- Completion of Algebra I with a grade of "C" or better
- Troubleshooting and complex problem-solving skills

Topics of study:

- Ethical Behavior & Hacking
- Vulnerabilities & Threats
- Operating Systems
- Network Design & Security
- Penetration Testing

Certifications:

- NOCTI Cybersecurity
- Security+
- IT Specialist Cybersecurity

Career Pathways:

- Network Administration
- Network Technician
- Junior Penetration Tester
- Cybersecurity Analyst

Cybersecurity Systems Technology

(Newport News Campus) Course #
Information Technology Cluster
One Year Program



About the program:

Designed to teach about computer and troubleshooting networks- hardware-based. Students install, configure, and secure various operating systems. Students will troubleshoot computers, and use system tools & diagnostic software. This involves complex problem-solving. In addition, students explore the relationships between internal & external computer components. Students will train in procedures for optimizing and troubleshooting concepts for computer systems, subsystems, and networks. Students will gain a basic understanding of emerging technologies including unified communications, mobile, cloud, & virtualization technologies.

**Class offered at the Woodside Lane Campus
ONLY AM Session Available**

Requirements/Expectations:

- Minimum 2.5 GPA or above
- Completion of a computer applications course
- Completion Algebra I with a grade of "C" or better
- Read & comprehend complex technological resources & materials

Topics of study:

- Ethical Behavior
- Troubleshooting Hardware, Software, and Networking
- Networking
- Mobile Devices
- Operating Systems
- Network Design & Security
- Network Architecture

Certifications:

- CompTIA A+
- Comp TIA ITF+
- IT Specialist Device Configuration & Management

Career Pathways:

- Network Administration
- Network Engineer
- Help Desk Technician
- Web Design
- Telecommunication Technician
- Entry Level Cybersecurity Analyst

Dental Careers I & II

(Hampton Campus) Course #8328/8329

Health Sciences Cluster

Two Year Program



About the program:

Students in this two-year program are preparing to perform all the tasks of a dental assistant. These tasks include: exposing, processing, and mounting X-rays, and preparing materials for various procedures including impressions, removing sutures, placing topical anesthetics, and making diagnostic study models for alginate impressions. This program also gives students a foundation to pursue a Dental Hygienist post-secondary degree through a two or four-year college/ university.

Dental I - Only offered in the AM Session

Dental I & II- Offered in the PM Session

Topics of study:

- Maintenance of patient records
- Sterilization & disinfection of instruments & equipment
- Preparation of patients for dental treatment & application of topic anesthetics
- Arrangement of dental instruments, materials and medications
- Laboratory procedures such as pouring, trimming, and polishing cast
- Post-op oral hygiene instructions for patients
- Taking, developing, & mounting X-rays

Requirements/Expectations:

- Minimum 3.0 GPA or above
- Must have good hand/eye coordination & manual dexterity
- Completion of Biology with a grade of "C" or better
- Knowledge of medical terminology, anatomy, & physiology
- Mandatory clinical experience for all Dental II students
- Clinical experience may require drug testing and a COVID-19 vaccination and/or testing

Certifications:

- NOCTI - Dental Assisting
- Radiation Health & Safety Examination

Career Pathways:

- Dental Hygienist
- Dental Laboratory Technician
- Dental Sales
- Dental Office Manager
- Administrative Assistant
- Dental Assistant

Early Childhood Education I & II

(Newport News Campus) Course #8234/8285

Human Services Cluster

One Year Program



College
Credit
Available



About the program:

Students who are interested in working professionally with young children (e.g. medical, social services, and education) may enroll in the Early Childhood Education (ECE) one-year program. Critical thinking, practical problem-solving, and entrepreneurship opportunities within the field of early childhood education are emphasized. Practice experiences (e.g. on-site lab, local daycare centers, elementary schools, and other institutions) under the supervision of the instructor are required.

Topics of study:

- Steps to advance physical & intellectual development
- Positive ways to support social & emotional development
- Establishing positive and productive relationships with families

Certifications:

- AAFCS Examination
- ServSafe Food Handlers
- CPR/First Aid/AED

Requirements/Expectations:

- Minimum 2.0 GPA or above
- Completion of English 10 with a grade of "C" or above
- Must have a current Tuberculin skin test
- Enjoy working with children
- Enthusiasm and patience towards others
- Working as part of a team

Dual Enrollment Requirements:

According to Virginia Peninsula Community College, the student must possess a minimum GPA of 2.0 to show English & Math proficiency in order to receive dual enrollment credit.

Career Pathways:

- Day Care Provider or Director
- Teacher Assistant
- Preschool, Kindergarten, Elementary or
- Special Education Teacher
- Recreation Leader or Camp Director
- Child Psychologist

Electricity & Renewable Energy I, II

(Newport News Campus) Course #8533/8534

Architecture & Construction Cluster

One Year Program



About the program:

Students develop fundamental electrical skills to help them prepare for a career in the installation, operation, maintenance, and repair of residential, commercial, and industrial systems. Students will engage in hands-on activities in a lab setting. They will be introduced to residential wiring of houses and apartments; commercial wiring of retailers, schools, businesses, and hospitals; and industrial wiring of factories. Students will also study electrical theory and mathematical problems related to electricity, apply requirements of the National Electrical Code (NEC) Book, select and install conductors, examine lighting, communication, and power systems, and work with conduit and raceways, panelboards, switchboards, grounding systems, and generators. Students will also study alternative renewable energy sources including wind generators, solar panels, & communication cabling and wiring.

Requirements/Expectations:

- Have a GPA of 1.5 or above
- Completion of 10th grade English with a grade of "C" or better
- Completion of Algebra I with a grade of "C" or better
- Learn entrepreneurship skills to own and operate a business
- Interpret technical schematics and prints
- Install, troubleshoot, and repair electrical systems

Topics of study:

- Electrical Theory
- Electrical Code
- Renewable Energy Systems
- Power Systems
- Residential, commercial, and industrial wiring techniques

Career Pathways:

- Electrical Foreman
- Project Manager
- Cost Estimator
- Building Code Inspector
- Electrician
- Electrical Engineering Technician

Certifications:

- NCCER Core & Level One
- OSHA 10 Certification

Emergency Medical Technician I, II, III

(Hampton Campus) Course #8333/8334

Law, Public Safety, Corrections & Security Cluster
One Year Program



About the program:

Emergency Medical Technicians are part of one of three public safety divisions (EMS, Fire, and Law Enforcement). Their job includes the daily routine of dealing with crisis, trauma, hazardous materials, illness, injuries and the training to handle mass casualties, disaster management, and terrorism awareness. Although the job can be stressful, EMT's and Paramedics enjoy the challenge and excitement of their jobs and view them as an opportunity to make a real difference. Juniors who successfully complete EMT may be invited to return as a senior for EMT II (#8335). There are very limited number of EMT II seats.

Certifications:

- EMT-B state certification
- First Aid – AHA & Basic Life Support – AHA
- Mass Casualty I & II - OEMS
- NIMS – 100,200,700,800 -FEMA
- NOCTI – EMS
- Emergency Vehicle Operations - VAVRS

Career Pathways:

- EMT for City, State & Federal Fire Departments.
- Private hospitals & Industry clinics

Topics of study:

- Medical, legal, and ethical issues
- Anatomy & Physiology
- Vehicle design & extrication
- Hazardous materials
- Patient assessment, treatment & transport
- Trauma, medical, and environmental incidents
- Mass Casualty and disaster management
- Scene safety & personal protection
- Written and oral communications
- Pharmacology & ambulance operations

Requirements/Expectations:

- Minimum 3.0 GPA or above
- Completion of 10th grade English with a grade of "C" or better
- Students must have no physical or mental impairment that would render them unable to perform all practical skills required
- Must not have been found guilty of any crime involving sexual misconduct, abuse, neglect, theft, financial exploitation, any crime involving the use, possession, or distribution of illegal drugs, and any felonies
- Working in a fast-paced high energy environment helping others
- Clinical experience may require drug testing and a Covid-19 vaccination and/or testing

Firefighting I, II

(Hampton & Newport News Campus) Course #8705/8706
Law, Public Safety, Corrections & Security Cluster
One Year Program



About the program:

This one-year Fire Science program introduces students to the exciting field of Fire Fighting. Students are supervised closely by qualified personnel. Policies & and procedures are designed to ensure adequate levels of safety while allowing for flexibility to utilize independent judgment based on the level of training. Any student who jeopardizes the safety of others will be removed from the program. Students have the opportunity to earn both the Fire Fighter I & II certifications through the Virginia Department of Fire Programs. Students are required to attend some training sessions after school and some weekends. Attendance at these sessions is MANDATORY for those pursuing the firefighter certification.

Topics of study:

- Basic Life Support
- Hazardous material awareness & operations
- Fire behavior, building construction & forcible entry
- Ladders, water supply, sprinkler systems & ventilation
- Incident management systems
- Building Search, Fire Cause & origin
- Pre-incident survey

Prerequisite:

- Minimum 2.5 GPA or above
- Completion of English 10 with a grade of "C" or better.
- Due to strenuous physical activity, all students will need to complete a physical exam by August 1st with a physician using a New Horizons physical form.
- Students not recommended entry by a physician will not be able to enter this program.
- Students must be 16 years of age on the first day of class (no exceptions).
- Required to fo volunteer OJT hours at a Fire Station in the Spring Semester.

Certifications:

- Fire Fighter I & II
- Hazardous Materials Awareness from the Department of Fire Programs

Career Opportunities:

- City, State, & Federal Fire Departments
- Private Fire Contractors/Private Industry

HVAC (Heating, Ventilation, Air-Conditioning & Refrigeration

(Newport News Campus) Course #8503/8504

Architecture & Construction Cluster

One Year Program



About the program:

In this program, students are taught to professionally install, repair, and maintain the operating conditions of heating, ventilation, air-conditioning, and refrigeration (HVACR) systems. Students work with piping and tubing, study the principles of heat and electricity and install duct systems. Students also explore emerging technologies, U.S. Environmental Protection Agency (EPA) regulations, energy conservation techniques, and systems with exempt and non-exempt refrigerants. Successful completion of this program will prepare students for a career as a HVACR technician. This program is certified by HVAC Excellence.

Topics of study:

- Installing, servicing, repair heating and cooling systems
- Reading technical plans & schematics
- EPA Regulations
- Leak detection, evacuation, recovery, and charging
- Air properties & distribution
- Fabricating, assembling and installing ductwork
- Refrigerant Transition & Recovery
- Sizing, installing, testing water systems

Requirements/Expectations:

- Minimum of a 1.5 GPA or above
- Completion of 10th-grade English with a grade of 'C' or above
- Completion of Algebra I with a grade of 'C' or above
- Designing and constructing mechanical systems
- Troubleshooting and problem-solving

Certifications:

- EPA Examinations
- OSHA 10 Certification
- H.E.A.T Assessment

Career Pathways:

- HVAC/R Technician & Installer
- HVAC/R Estimator
- Facilities Maintenance
- Construction Project Manager
- Sheet Metal Apprentice

Marine Service Technology

(Hampton Campus) Course #8750/ 8751
Transportation, Distribution & Logistics Cluster
One Year Program



About the program:

In this introduction to service and repair of watercraft and marina operations, students learn marine trade skills in the areas including shop and boating safety, inboard and outboard systems, carpentry, electricity, and vessel storage/handling. The course is based on the National Marine Trades Curriculum, developed by the American Boat and Yacht Council (ABYC).

Topics of study:

- Boating Safety, Handling, & Basic Navigation Skills
- Boat Design & Construction
- Woodworking Skills
- Applying finishes
- Fiberglass Construction & Repair
- Maintaining & Repairing Inboard/Outboard Engine Systems
- Safe Vessel Transportation on Land
- Marine Operations & Yard Services

Requirements/Expectations:

- Minimum of a 1.5 GPA or above
- Demonstrate a high degree of manual & physical dexterity
- Read and interpret service manuals and publications
- Basic Water Safety
- Should know how to swim
- Work with chemicals & tolerate exposure to dust and/or odors
- Work in an atmosphere of loud noise & changes in temperature
- General math skills – measurements, conversions, ratios, addition, & subtraction
- Spatial awareness & the ability to multi-task

Certifications:

- American Boat & Yacht Council (ABYC) Exam
- Virginia Boater Education Certificate
- First Aid/CPR/AED
- OSHA 10 Certification

Career Pathways:

- Marine Rigger
- Marine Architect
- Marine Surveyor
- Insurance Appraisal/Loan Financing
- Marina & Boat Yard Operations
- Marine Sales or Parts
- Retail/Wholesale
- Marine Service Technician
- Deckhand/Dockhand

Mechatronics I, II, III

(Hampton Campus) Course #8554/8555/8556
Manufacturing Technology Cluster
One Year Program



College
Credit
Available



About the program:

Students will learn and build knowledge of mechatronic systems. These systems are comprised of mechanical, electrical, and software systems, and typically include sensors feeding data to a computer/controller, which determines how to energize a motor/actuator. Mechatronics systems form the foundation of robotics, automation, and advanced manufacturing (such as 3D printing). Mechanical, electrical, and pneumatic/hydraulic systems are explored as well as relevant computer technologies. Students will apply principles related to pneumatic, electro-pneumatic, and hydraulic control circuits as well as basic digital logic and programmable logic controllers in a complex mechatronic system. Students may earn dual enrollment credits (for free), and a College Certificate of Studies with VPCC credits transfer into the VPCC Mechanical Engineering Technology Degree (956-02).

Certifications:

- FESTO Industry 4.0 Certifications
- Siemens Mechatronics Systems Certification

Dual Enrollment Requirements:

- According to Virginia Peninsula Community College, the student must possess a minimum GPA of 3.0 to show English & Math proficiency in order to receive dual enrollment credit.
- Completion of Algebra II with a grade of "C" or better **or** completed Algebra I and Geometry with a "B" or better

Topics of study:

- Engineering Design (MEC 100)
- Sensors & Actuators (ETR 140)
- Digital Electronics (ETR 168)
- Robotics Programming (ETR 177)
- Mechanical Drives (MEC 155)
- Pneumatics & Hydraulics (MEC 165)
- Programmable Logic Controls (ELE 233)
- Mechatronic Systems (IND 243)

Career Pathways:

- Electrical Engineering
- Instrumentation Technician
- Industrial Engineer or Technician
- Mechanical Engineer or Technician

Medical Assistant I, II

(Hampton Campus) Course #8345/ 8346

Health Sciences Cluster

One Year Program



About the program:

Students in this one-year introductory program designed to give an overview of the various components of the medical assistants' professional responsibilities. This course is intended for students who are preparing for many of the exciting, challenging, and rewarding careers in the healthcare field. Students will be prepared to assist physicians by performing functions related to both business administration and clinical duties of a medical office. Clinical instruction includes taking vital signs, the preparation of the patient for examination and treatment, routine laboratory procedures, and the use of the ECG machine. These opportunities require people who want to operate in a high-tech fluid environment filled with constant challenges and service commitments.

Topics of study:

- Rooming patients
- Assisting physicians with patient exams
- Collection of specimens for diagnostic & lab procedures, Phlebotomy & billing /coding
- Cardio-pulmonary resuscitation (CPR)
- Medical economics & medical equipment
- ECG, visual & audio testing machines

Requirements/Expectations:

- Have a GPA of 3.0 or above
- Completion of English 10 with a grade of "C" or better.
- Completion of Biology with a grade of "B" or above
- Must be 17 years old before April 30th to be eligible to take the NCCMA exam
- Current TB skin test results & a copy of immunizations must be on file with New Horizons no later than September 30th
- Hepatitis B Vaccination is required and a flu shot is required by October 31 st
- The American Heart Association CPR Basic Life Support (BLS) course is required
- Clinical experience may require drug testing and a Covid-19 vaccination and/or testing

Certifications:

- NOCTI – Medical Assisting
- National Certified Clinical Medical Assistant Exam (NCCMA)

Career Pathways:

- Healthcare Administration
- Medical Office Manager
- Lead Medical Assistant
- Clinical Team Manager

Nurse Aide I,II

(Hampton Campus) Course #8360/8362
Health Sciences Cluster
One Year Program



About the program:

Students in this one-year program are preparing for employment as a Nurse Aide/Home Health Aide, and/or for entry into a practical nursing program as well as other health occupations. Students will receive clinical training in a local long-term care facility. Students will have knowledge of medical terminology, anatomy, and physiology successful completion of this course, students meeting the standard established by the State Board of Nursing and New Horizons are eligible to take the National Nurse Aide Assessment Program examination to become a Certified Nurse Aide in Virginia.

Requirements/Expectations:

- Minimum of a 3.0 GPA or above
- Must be able to lift 50 pounds to safely perform their duties
- Have good hand/eye coordination & dexterity
- Results of a current TB skin test must be on file with New Horizons CTEC no later than October 30th
- Pass general safety rules test with 100% accuracy prior to attending clinical training.
- Completion of Biology with a grade of "B" or better
- Clinical experience may require drug testing and a Covid-19 vaccination and/or testing

Topics of study:

- Medical Terminology
- Personal Care Skills
- Nutrition
- Health Care Exploration
- Role of the Nursing Aide
- Legal & Ethical Issues in Health Care
- Communication
- Common Health Programs

Certifications:

- Virginia Board of Nursing – Nurse Aid Examination
- AHA BLS Certification
- AHA First Aid Certification

Career Pathways:

- Home Health Assistant
- Nurse Aide (CNA)
- Orderly
- Resident Care Aide

Patient Care Technician

(Hampton Campus) Course #8303

Health Sciences Cluster

One Year Program (Seniors ONLY)



About the program:

Offered as an advanced nursing course after the completion of Nurse Aide at the 12th-grade level, Patient Care Technician emphasizes the study of nursing occupations as related to the healthcare system. Students study normal growth and development, simple body structure and function, medical terminology, and are introduced to microbes and disease. Upon completion of this course, students will have mastered the skills needed to perform electrocardiograms (ECG's); execute basic medical, lab, and exam procedures; draw blood; and provide basic patient/client care.

Requirements/Expectations:

- Must be a Senior in High School
- Must have a 3.0 GPA or above
- Must have passed a Nurse Aide class with a 'C' or better and pass the State Board Exam
- Proficient in reading and comprehending complex scientific resources
- Results of a current TB skin test must be on file with New Horizons no later than October 30th
- Biology with a grade of "B" or better
- Clinical experience may require drug testing and a Covid-19 vaccination and/or testing

Topics of study:

- Medical Terminology & procedures with Patient Care
- Basic Anatomy & physiology
- Legal & and ethical issues
- Medical complications
- Role of the (ECG)
- Phlebotomy and related procedures
- Pain management and opioid addiction
- Pharmacology basics
- Infection prevention

Certifications:

- Certified Patient Care Technician Examination (CPCT)
- Certified EKG Technician Examination (CET)
- Certified Phlebotomy Technician Examination (CPT)

Career Pathways:

- Patient Care Technician
- Phlebotomist
- Medical Assistant
- Radiographer
- Vascular Technologist

Pharmacy Technician I, II

(Newport News Campus) Course #8305/ 8306

Health Sciences Cluster

One Year Program (Seniors ONLY)



About the program:

Those in the industry on the Virginia Peninsula have identified Pharmacy Technician as their number one area of employment need. In the next several years, job growth for pharmacy technicians will be twice the average for all occupations in VA. Pharmacy Technician is a one-year program that will provide students an in-depth exposure to the pharmaceutical industry. It will assist students in becoming skilled in preparing/dispensing prescriptions, compounding medications, preparing intravenous medications, stocking medications and repackaging medications. Students will be prepared to take the NHA ExCPT Examination which is recognized nationally. Passing the exam qualifies students to apply for certification as a Pharmacy Technician in most states.

Topics of study:

- Exploring the world of pharmacy
- Applying pharmacy calculations
- Prescription & Over-The-Counter Drugs
- Safety for Patients & Caregivers
- Inventory Control Systems
- Administration & Management of Pharmacy Practice
- Factors of Drug Addiction & the Opioid Crisis
- Understanding Pain Management Protocols

Requirements/Expectations:

- Must be a Senior in High School
- Must have a 3.0 GPA or above
- Completed Algebra I and English 10 with a grade of "B" or above
- Helping others in a healthcare environment
- Clinical experience may require certain vaccinations
- A 12-panel drug test is required
- A criminal background check is required for all students 18 & older to participate in externships

Certifications:

- National Healthcareer Association Exam for the Certification of Pharmacy Technicians (NHA ExCPT)
- CPR

NHA ExCPT Pass Rates
2022-23 68%

Please visit VA Board of Pharmacy
<https://www.dhp.virginia.gov/pharmacy/>

Career Pathways:

- Pharmacy Technician
- Hospital Pharmacist
- Clinical Pharmacist
- Retail Pharmacist
- Pharmacy Intern

Physical Therapy/ Occupational Therapy I, II

(Hampton Campus) Course #8365/8366
Health Sciences Cluster
One Year Program



About the program:

Students in this one-year program are introduced to the profession of physical and occupational therapy. According to the Bureau of Labor Statistics, the job outlook for physical and occupational therapists for the next 10 years is much higher than average. Students explore the principles and practices of therapists in the healthcare industry and participate in clinical observation under the direct supervision of a licensed physical and/or occupational therapist. Clinical skills in the area of physical therapy and occupational therapy enable students to gain an understanding of rehabilitative care, which is practiced throughout the continuum of care and across the life span of individuals. After completion of this course, students may seek higher education for specific degrees/ licensure in a variety of fields such as physical therapy, occupational therapy, speech therapy, sports medicine, athletic training, chiropractic medicine, biology, or exercise science.

Certifications:

- National Physical Therapy Aide Certification Exam (CPTA)
- Healthcare Providers BLS/CPR
- REVIVE Opoid Training

Topics of study:

- Rehabilitation Field & Careers
- Overview of Physical & Occupational Therapy
- Ethical & Legal Issues
- Employability Skills
- Gait training or walking
- Transfers & Range of Motion
- Good Body Mechanics, Anatomy & Physiology
- Muscular System, Blood Pressure, Pulse, O₂ Saturation & Opioid Training

Requirements/Expectations:

- Minimum of a 3.0 GPA or above
- Completed Biology and Algebra I with a grade of "B" or above
- Be able to problem solve & critically think in situations
- Work-Based Learning experience may require drug testing & a Covid-19 vaccination

Career Pathways:

- Exercise Physiologist
- Occupational Therapist or Assistant
- Physical Therapist or Assistant
- Physical Therapy Aide
- Recreation Therapist
- Athletic Trainer

Plumbing & Pipefitting I, II

(Newport News Campus) Course #8551/ 8552

Architecture & Construction Cluster

One Year Program



About the program:

This program introduces students to the plumbing profession and practices mathematical calculations required for plumbing systems. Students will read, interpret, and create drawings of piping systems. They learn to safely assemble, install, and repair pipes and fittings, and are introduced to installing fixtures of heating, water, and drainage systems, according to specifications and plumbing codes. Marine Pipefitting is taken during the 4th quarter of the course. Students will learn to read blueprints, learn ship systems, and earn a regionally recognized Maritime OSHA 10 credential. Students will obtain the skills needed to be a top competitor for careers at any of the shipyards in the region.

Requirements/Expectations:

- Minimum of a 1.5 GPA or above
- Completion of 10th-grade English with a grade of 'C' or above
- Successfully completed Algebra I with a grade of 'C' or above
- Troubleshooting and creative thinking
- Solving problems using your hands
- Learn entrepreneurship skills to own and operate a business

Topics of study:

- Application of Math
- Reading Drawings
- Installing Waste and Soil Pipes
- Water Distribution Components
- Pipe Cutting and Joining
- Supporting and Hanging Pipe
- Installing Fixtures and Trim
- Plumbing Repairs
- Natural Gas Piping systems

Credentials:

- NCCER – Core & Plumbing Level 1
- OSHA 10 Certification
- OSHA Marine Certification

Career Pathways:

- Plumbing Inspector
- HVAC/R Estimator
- Plumber / Pipefitter
- Steamfitter
- Gas Fitter
- Marine Pipefitter

Unmanned Aircraft Systems

(Newport News Campus) Course 8487/8488/8910

Transportation & Logistics Cluster

One Year Program

****Pending Board Approval****



College
Credit
Available



About the program:

Unmanned Aircraft Systems prepares students to fly drones under the Federal Aviation Administration's (FAA) Part 107 guidelines. Students get an overview of the national airspace system, FAA regulations, and the design and operation of small drones. Students monitor the weather, address the loading and performance of drones, collect data, and coordinate flight operation logistics. Students will use the Zephyr simulation software to practice flying. The course will be dual-enrolled with VPCC and offer 18 college-level credits and 2 industry-level credentials.

Requirements/Expectations:

- According to Virginia Peninsula Community College, the student must possess a minimum GPA of 2.0 to show English & Math proficiency in order to receive dual enrollment credit.

Topics of study:

- Small unmanned aircraft systems remote pilot and components/ maintenance
- Aerospace Technology
- Drones for mapping and surveying
- Drones for photography and videos
- Night Operations
- Remote ID and FRIAs
- Radio Communications
- Avionics and communication

Credentials:

- Small Unmanned Aircraft Systems Flight Technician Career Studies Certificate
- FAA part 107 Remote Pilot Certification
- FAA TRUST Certificate

Career Pathways:

- Unmanned aircraft pilot
- Aircraft system operator
- Aviation technician
- Aircraft and powerplant mechanic
- Surveyor

Virtual Machining & Design I, II

(Hampton Campus) Course #8539/ 8540

Manufacturing Technology Cluster
One Year Program

College
Credit
Available



About the program:

A one-year program that introduces students to using precision tools and instruments to include the operation and setup of various types of general machinery such as drill presses, bandsaws, belt sanders, disk sanders, bench grinders, manual milling machines, and lathes. There is also a focus on computer numerical control program writing, setup, and operation for lathe and milling machines. Students who successfully complete the Virtual Machining and Design program will earn dual enrollment credits and is eligible for a Virginia Peninsula Community College (VPC) Virtual Machining and Design Career Studies Certificate upon graduation.

Topics of study:

- Systems of Units & Technical Blueprint Reading
- Use of Hand Tools & Precision Measuring Instruments
- Machine Shop Safety
- Operation of Basic Shop Machinery
- Operation of Manual Milling Machines and Lathes
- Programming Computerized Numeric Control Machines & Metallurgy
- Quality Control & Inspection Techniques

Dual Enrollment Requirements:

- According to Virginia Peninsula Community College, the student must possess a minimum GPA of 3.0 to show English & Math proficiency in order to receive dual enrollment credit.
- Completion of Algebra II with a grade of "C" or better **or** completed Algebra I and Geometry with a "B" or better

Certifications:

- National Institute for Metalworking Skills (NIMS) Exam
- NOCTI – Machining

Career Pathways:

- Advanced Computer Programming
- Mechanical Engineering Technology
- Computer-Aided Drafting Design CADD

Veterinary Science I, II

(Newport News Campus) Course #8088/ 8089
Agriculture, Food, & Natural Resources Cluster
One Year Program



About the program:

Students in this program learn how to respect, safely handle, and treat classroom animals. The students come to understand the various breeds and species of animals and are able to identify basic requirements for veterinary care and general health maintenance. The students receive training in handling, grooming, feeding, and properly medicating a variety of animals. In addition, animal nutrition, disease, and basic first aid is explored. Students also perform the routine technical maintenance and office duties associated with veterinary work. Students will participate in FFA (Future Farmers of America).

Requirements/Expectations:

- Must have a 3.0 GPA or above
- Enjoy handling and caring for animals
- Must have good manual dexterity
- Must be able to lift 50lbs to safely perform their duties
- Successfully passed 10 th Grade English
- Passed Algebra 1 with a grade of "C" or above
- Completed Biology with a grade of "C" or above

Topics of study:

- Origin of various animal species
- Animal nutrition, genetics, behavior, and training
- Medical Terminology
- Handling, grooming, and feeding
- Basic first aid, calculating dosages, and administering medications
- Professional and ethical standards
- Diseases & Preventative Measures
- Anatomy & Physiology

Certifications:

- iCEV Veterinary Medical Applications

Career Pathways:

- Veterinary Assistant
- Veterinary Technician
- Laboratory and/or animal shelter caretaker
- Kennel Attendant
- Groomer
- Veterinarian

Welding I & II

(Hampton Campus) Course #8672/ 8673
Manufacturing Technology Cluster
Two Year Program



About the program:

This is a two-year program where students learn that welding is required by a wide variety of industries. Fusible materials and high heat are needed to manufacture, repair, or alter tools and products. Students are taught to use manual welding, cutting, and electrical arc welding processes to fabricate and join metal parts according to diagrams, blueprints, and specifications. Students will fine-tune their craft and perform welds in various positions, using multiple welding processes. Professional welders are in high demand and can have lucrative career opportunities with local manufacturers upon graduation.

Topics of study:

- Welding Theory & Measurements
- Shielded Metal Arc Welding (SMAW)/Gas Metal Arc Welding (GMAW)/Gas Tungsten Arc Welding (GTAW)
- Tungsten Inert Gas (TIG) Welding & Flux Cored Arc Welding (FCAW)
- Welding w/ Carbon Steel, Stainless Steel, and Aluminum
- Oxyacetylene burning, Carbon arcing, and Plasma Cutting

Certifications:

- American Welding Society (AWS)
- NOCTI - Welding
- OSHA 10 Certification

Requirements/Expectations:

- Must have a 2.0 GPA or above
- Good hand-eye coordination, vision, and manual dexterity
- Precision work that requires attention to detail
- Designing, layout, & fabricating items
- Creativity & Innovation
- Maintain proper safety requirements

Career Pathways:

- Welding Foreman
- Welding Engineer
- Welding Inspector
- Aluminum or MIG Welder
- Fabrication Welder or fabricator
- Fitter/Welder



ADDITIONAL OFFERINGS

WORK BASED LEARNING

WORK BASED LEARNING IS COMPRISED OF SCHOOL COORDINATED WORKPLACE EXPERIENCES THAT ARE RELATED TO STUDENTS' CAREER GOALS AND/OR INTERESTS, ARE INTEGRATED WITH INSTRUCTION AND ARE PERFORMED WITH LOCAL BUSINESSES AND ORGANIZATIONS.

TYPES



JOB SHADOWING



YOUTH PRE-APPRENTICESHIP



INTERNSHIP



CLINICAL EXPERIENCE



MENTORSHIP

BENEFITS

- GIVE STUDENTS OPPORTUNITIES TO PRACTICE SKILLS IN REAL-WORLD SCENARIOS
- HELPS DEVELOP THE SOFT SKILLS
- GIVES A CHANCE TO OBSERVE PROFESSIONALS IN ACTION
- HELPS STUDENTS BUILD NETWORKS WITH POTENTIAL EMPLOYERS

**TALK TO A CAREER
SPECIALIST TODAY!**



**CAREER &
TECHNICAL**
EDUCATION CENTER

Youth Builders

The Apprentice School Pre-Apprenticeship Program

What is the Apprentice School?

The Apprentice School is a workforce development department within Newport News Shipbuilding (NNS), a division of Huntington Ingalls Industries (HII). NNS designs, builds, and maintains nuclear and non-nuclear ships for the U.S. Navy and Coast Guard, and provides after-market services for military ships around the globe. The Apprentice School provides quality training and education for NNS tradespeople.

Why choose Youth Builders?

The shipbuilding trades need capable young people who want to become builders of great ships at NNS. Our goal is to empower these youth to become the next generation of leaders at Newport News Shipbuilding.

What enrichment courses are available?

Currently, there are three courses available for 12th graders enrolled at New Horizons CTE Center:

1. Math Review
2. Technical Mathematics I
3. Strategies for Workplace Success

Who can participate?

Youth Builders Pre-Apprenticeship is limited to students with the following criteria:

- Enrolled at New Horizons CTE Center
- Open to 11th and 12th Graders
- Having a GPA > 3.0
- Possessing United States Citizenship
- Completed any four of the following courses:
 - Algebra I – required
 - Algebra II – required with a passing grade of “B” or higher
 - Geometry
 - Advanced Math
 - Physics or Principles of Technology
 - Chemistry
 - Computer Science
 - Mechanical Drawing
 - Vocational/Technical Shop - NHREC

Get Started

LASHAND COLEMAN

757-524-0937 OR

LASHAND.C.COLEMAN@HII-NNS.COM

WWW.AS.EDU



Join the Hampton Roads IBEW Pre-Apprentice Program



**ESTABLISH A PATHWAY INTO THE
IBEW APPRENTICE SCHOOL
WHERE YOU CAN 'EARN WHILE YOU LEARN'**

WHO WE ARE?

Hampton Roads Joint Apprenticeship and training program is part of the 'Electrical Training Alliance' with 275 apprenticeships and more than 30,000 apprentices world wide. We have been on the Virginia Peninsula for 75 years. In 2019, we joined forces with the New Horizons CTE program to offer a pathway for students who are Seniors in High School and want to get additional hands on training and a guided pathway into our Apprentice school once they graduate.

DO I QUALIFY?

- Are you a Senior in High School ?
- Are you at least 17 years of age ?
- Have you taken **or** enrolled in Algebra I ?
- Do you have transportation to & from the campus ?

HOW DO I APPLY?

Please receive your application from your New Horizons Regional Career Specialist and submit the form back to them.

SCHEDULE

Classes are on Thursday's

In the months of

- November
- December
- January

Time: 3-5pm

Location: New Horizons
Woodside Lane Campus
13400 Woodside Lane
Newport News, VA 23608

**STUDENTS ARE
RESPONSIBLE FOR
THEIR OWN
TRANSPORTATION**

SOFT SKILLS & BUILD

HAMPTON ROADS GOOD LIFE SOLUTION PROGRAM

- Cosmetology + #
- Criminal Justice + #
- Culinary Arts #
- Dental Careers +
- Early Childhood Education #
- EMT +
- Fire Fighter + #
- Medical Assistant +
- Nurse Aide +
- Patient Care Technician +
- Pharmacy Technician #
- Physical Therapy & Occupational Therapy +
- Veterinary Science #
- Auto Collision & Refinishing +
- Auto Tech +
- Building Construction #
- CISCO Networking #
- Cybersecurity Systems Technology +
- Cybersecurity Operations #
- Computer Programming & Gaming #
- Electricity & Renewable Energy #
- HVAC #
- Marine Service Technology+
- Mechatronics +
- Plumbing & Pipefitting #
- Unmanned Aircraft Systems #
- Virtual Machining & Design +
- Welding + #

+ Butler Farm Campus in Hampton, VA | # Woodside Lane Campus in Newport News, VA

How to Qualify

- Must be a Senior in High School
- Desire to work in the trades immediately after High School
- Have a 2.0 GPA or Above
- Earn a 'C' or Better in their current New Horizons CTE Class
- Good Attendance is required
 - must have fewer than 10 absences



Scan to learn more
information

What is GLS?

GLS is a collection of partnerships between New Horizons Career & Technical Center and local Employers looking to improve the way they recruit, hire, train, and most importantly retain their entry level new hires out of high school.

What Do We Do?

Provide a robust talent pipeline of local seniors looking to transition from high school to full-time employment (with benefits) in various career pathways. Ultimately, the GLS program seeks to establish a reliable and sustainable pipeline to help satisfy the hiring needs of participating GLS Employer Partners. Since 2017, the GLS candidate pool at New Horizons continues to grow and improve year after year.

Cued-In Technology

At the beginning of 2020, the CUED-IN mobile/web-based app was implemented to improve the efficiency of the recruiting and application process. Employers build a Company profile that is accessible by the GLS Candidate Pool. Each Company can add detailed information about open positions, pay, benefits, and career pathways within the organization. Employers will utilize this tool to better engage and recruit with the candidates.



GOOD LIFE SOLUTION PROGRAM

THE NEW HORIZONS DIFFERENCE

New Horizons will energize the Hampton Roads' economy by creating a ready-to-learn entry-level workforce pipeline for local employers. The focus is on recruiting, hiring, training, and retaining for one year of Good Life Solution completers.

*Our 5 year average retention rate for students staying employed at least 1 year = 86%

Hands On Support

- Dedicated Career Specialist at each campus.
- Employability & Workplace Readiness Skills Curriculum provided.
- On site Career Fairs
- Customized CUED-IN interface
- Customizable Curriculum

Higher Starting Salary

- Engaged regional employers looking for talent.
- State & National entry level certifications offered.
- CTE completers with a New Horizons certification(s) earn a higher starting salary

Debt Free

- Going directly into a career eliminates student loan debt.
- Majority of our employer partners offer educational assistance programs at little or no cost to the employee.



www.nhrec.org/gls

JOIN NTHS!



National Technical
Honor Society

NATIONAL TECHNICAL HONORS SOCIETY



New Horizons
REGIONAL EDUCATION CENTERS

WHY JOIN?

- Apply for scholarships to seek postsecondary education. NTHS awards close to \$300,000 in scholarships annually.
- Position yourself ahead of competition in today's highly competitive workforce.
- Earn recognition for superior achievement in career and technical fields.
- Build career portfolios with professional letters of recommendation.
- Connect to global career and technical education networks.
- Discover opportunities with leading business and industry.
- Serve in leadership roles in communities and industries.

LEARN MORE:



CONTACT:

**BUTLER FARM/
HAMPTON CAMPUS**
MIA STEPHENS
mia.stephens@nhrec.org
**WOODSIDE LANE/
NEWPORT NEWS CAMPUS**
CHESTER HALL
chester.hall@nhrec.org

for more information visit the link

WWW.NTHS.ORG

Student Council Ambassadors



Student Council Ambassadors are students who are well respected & demonstrate leadership characteristics on & off campus. They impact school initiatives, lead facility tours & represent New Horizons at recruiting & community events.

QUALIFICATIONS

- Must apply & receive teacher recommendation
- Be well-spoken, have good attendance & have their own transportation

WHY JOIN?

- Looks great on your resume
- The opportunity to be a leader
- Boost communication & networking skills
- Can earn additional employability grade points
- The opportunity to earn an Ambassador Scholarship/ Honorarium at the end of the year

APPLY HERE:



SCAN ME

CONTACT:

**BUTLER FARM/
HAMPTON CAMPUS**

MIA STEPHENS
mia.stephens@nhrec.org

**WOODSIDE LANE/
NEWPORT NEWS CAMPUS**

CHESTER HALL
chester.hall@nhrec.org



HAMPTON ROADS PUBLIC WORKS ACADEMY

APPROX
1000
000000

www.norfolk.gov



CAREER & TECHNICAL EDUCATION CENTER

ABOUT HRPWA

WHAT IS HRPWA?

HRPWA is a not-for-profit regional coalition promoting cooperative training in the various disciplines comprising Public Works and Utilities in Southeastern Virginia.

HRPWA has three primary objectives:

1. To coordinate lower-cost training for current Public Works and Utilities employees.
2. To educate area high school students with the goal of participants becoming future pre-trained Public Works and Utilities employees.
3. To provide networking opportunities for member organizations.

WHAT DOES PUBLIC WORKS AND UTILITIES MEAN?

It's a very broad and important field that includes everything from water purification to highways or dams that are financed by public funds and constructed by a government for the benefit or use of the general public.

Some of the specific Public Works and Utilities areas include:

- Construction Landscaping
- Street Operations Waste Water
- Planning Sewer Maintenance
- Inspections Solid Waste
- Public Health Water Treatment
- Facility Maintenance

HOW DO I APPLY?

We only select approximately 20 students per year. Students should be recommended by their teacher and will be accepted into this program after an interview process.

To be eligible, students must:

- Complete an application.
- Have good attendance.
- Maintain their Career and Technical course average of a 'C' or better.
- Complete a summer internship.
- Display good work ethics

Upon successful completion, students will receive a certificate, which among other benefits, will highlight them as first priority for public works and utilities positions. In most cases, positions will be available immediately after program completion.

WHAT ARE THE PROGRAM DETAILS?

This two-year, hands-on program is centered on high school students called "Cadets."

Classes are taught by an industry expert and consist of the basics of 32 major areas of work within the Public Works and Utilities fields. The classes and field trips last approximately two hours and twenty minutes and meet once or twice a month.

COURSE TOPICS

- Some Course Topics include:
- Heavy Equipment
- Water Treatment Fieldtrip
- Automotive Services
- Structures & Building Systems
- Emergency Operations
- Traffic Engineering
- Storm Water
- Disaster Recovery
- Solid Waste
- Management Systems
- Wastewater Treatment Fieldtrip
- Environmental Quality-Water/Air
- and many more!

CONTACT CHESTER HALL

ASSISTANT PRINCIPAL,
NEW HORIZONS CTE

757-874-4444 x5505
chester.hall@nhrec.org

A proud supporter and competitor in



WHAT IS SKILLSUSA?



SkillsUSA is the path to connect with valuable professional opportunities that will enable you to become career ready! SkillsUSA is a national partnership of students, teachers and industry working together. This partnership allows you to receive a direct connection with business and industry leaders and allows partners a connection to career-ready students!

WHAT DO WE DO?



WHY JOIN SKILLSUSA?

- Join a community of like-minded peers from diverse backgrounds.
- Grow your Personal, Workplace and Technical Skills.
- Achieve a sense of accomplishment and belonging.
- Lead and participate in chapter activities.
- Explore various career paths and practice hands on application of skills.



WHAT CAN I GAIN?



- Test skills and earn recognition through SkillsUSA's local, state and national career competition programs.
- Gain access to exclusive scholarship opportunities.
- Use changing connections on your network with business and industry leaders and alumni with experience.
- Strengthen your resume through participation in professional development opportunities.

Learn more about SkillsUSA!
GO SEE Your Instructor
IN Your CTE Classroom





YOU GOT GAME?

The Nighthawks Esports Team (NEST) is seeking new players for schoolwide, State, Regional, and National competitions. If you think you've got the skills or want to try out something new, scan the code below and take the survey. Registrations will begin in September.

#JoinTheNEST

**YOU CAN EARN
SCHOLARSHIPS &
PRIZES!**



For More Information Contact:
CHESTER HALL
chester.hall@nhrec.org



New Horizons
REGIONAL EDUCATION CENTERS



High School
Esports League



GENERATION
ESPORTS

New Horizons For Adults 18+

REGIONAL EDUCATION CENTERS

18+

Adults 18+ are eligible to take classes with the adult program.

Earn industry credentials in our Health & Medical, Trades, Apprenticeship, or online programs.

Payment plans, financial assistance, and scholarships are available for these already affordable classes

Ask about our High School Senior Discount TODAY !!!



CENTER
for
APPRENTICESHIP &
ADULT TRAINING

Contact
757-766-1101
cfaat@nhrec.org
www.nhrec.org/cfaat



IN-SCHOOL YOUTH SERVICES

High school junior or senior, with a barrier to employment.



OUT-OF SCHOOL YOUTH SERVICES

Ages 18-24, not attending any school, with a barrier to employment.



WORK EXPERIENCE

Earn a stipend while you learn the skills to make you more competitive.



YOUTH
WORKFORCE
CENTER

Contact
757-766-1100
www.nhrec.org/ywc
**Must be between 16-24 to participate*

EARN HIGH SCHOOL & COLLEGE CREDIT



VIRGINIA PENINSULA COMMUNITY COLLEGE

Dual Enrollment Program & Courses: Through agreements with local institutions of higher learning, certain high school courses taught at CTEC may be taken for college credit as well as for high school credit. Students who choose to take a course for dual enrollment receive college credit as well as high school credit for successful completion of the course. The following courses may be taken by students for dual enrollment with VPCC if the instructor meets college criteria:

Course Name	# of Dual Enrolled Credits
Automotive Technology I & II	17
Early Childhood Education	6
CISCO Networking I & II	16 (8 per year)
Computer Programming & Gaming Applications	14
Criminal Justice	6
Mechatronics	20
Virtual Machining & Design	20

CRITERIA FOR AWARDING VERIFIED CREDIT

Student-selected verified credit will be awarded for certification and licensure examinations that meet all of the following criteria: Industry certification and licensure examinations that are approved to satisfy the requirements for the Career and Technical Education Seal and the Board of Education's Seal of Advanced Mathematics and Technology will satisfy requirements for student selected verified credits.

Student must successfully complete:

- A prescribed course sequence in a career and technical education concentration or specialization that prepares for a board-approved industry certification or state licensing examination; and
- The examination that confers industry certification or a professional license from the Commonwealth of Virginia in a career and technical education field.

The teacher and/or career and technical education program must be certified by the issuing organization relative to the industry certification or license.

EARNING STUDENT-SELECTED VERIFIED CREDIT IN CAREER & TECHNICAL EDUCATION (CTE)

One (1) student-selected, verified credit will be awarded for passing each certification and licensure examination that meets all of the above criteria when: The actual certification or license to be received is a component of the course of study comprising a CTE concentration or specialization; and

- The student will earn at least one standard unit of credit for each verified credit awarded

Two (2) student-selected verified credits will be awarded for passing sequential certification and licensure examinations that meet all of the above criteria when:

- The actual certification or license to be received is the entire career preparation in the course of study comprising a CTE concentration or specialization; and
- The student will earn at least two standard units of credit in the CTE concentration or specialization.

SEALS

To earn a Career and Technical Education Seal, a student must:

- Fulfill the requirements for either a standard or advanced studies diploma, and
- Complete a prescribed sequence of courses in a CTE concentration or specialization, and
- Maintain a "B" or better average in CTE courses, or
- Pass an exam that confers certification from a recognized industry, trade, or professional association or acquire a professional license in a career and technical field.

SEQUENTIAL ELECTIVES

Two sequential electives comprise a concentration of courses from a variety of options, including Career and Technical Education. Completing any CTE concentration or specialization at New Horizons Career and Technical Education Center will meet the requirement. Please consult with your counselor.

CERTIFICATIONS/CREDENTIALS/LICENSES OFFERED AT NEW HORIZONS

New Horizons Course	Credential, Certification, or License
Auto Body & Collision Technology	ICAR certification
Auto Technology	ASE Entry-Level Student Certification
Building Construction	NCCER Core & Level 1
Cisco Networking	Cisco Certified Network Associate (CCNA) Exam & Certipoint – IT Specialist Networking
Computer Programming Applications	Certipoint – IT Specialist JAVA
Cosmetology	Cosmetology License by Va. Board of Cosmetology/NOCTI
Cybersecurity Operations	NOCTI Cybersecurity, Security+ & IT Specialist Cybersecurity
Cybersecurity System Technology	NOCTI/A+ and Net+ Certifications
Criminal Justice	NOCTI
Culinary Arts	NOCTI Examination, ServSafe Manager (Culinary 2), ServSafe Food Handlers (Culinary 1) & Prostart level 1 and 2
Dental Careers	Radiation, Health, & Safety Exam/NOCTI
Early Childhood Education	AAFCS Examination
Electricity & Renewable Energy	NCCER Level 1 & Core
Emergency Medical Technician	Emergency Medical Technician Examination/NOCTI
Fire Science	Fire Fighter I & II Certifications/NOCTI
HVAC	EPA/HEAT Assessment
Marine Service Technology	American Boat & Yacht Council (ABYC) Exam, Virginia Boater Education Certificate, First Aid/CPR/AED & OSHA 10 Certification
Mechatronics	Siemens Mechatronics Systems Level 1 Certification/FESTO Industry 4.0
Medical Assistant	National Certified Clinical Medical Assistant Examination/NOCTI
Nurse Aide	Certified Nurse Aide Examination
Patient Care Technician	Certified Patient Care Technician Examination (CPCT), Certified EKG Technician Examination (CET) & Certified Phlebotomy Technician Examination (CPT)
Pharmacy Technician	National Healthcareer Association Exam for the Certification of Pharmacy Technicians (NHA ExCPT) & CPR
Physical/Occupational Therapy	National Physical Therapy Aide Certification Examination (CPTA)
Plumbing & Pipefitting	NCCER Level 1 & Core
Unmanned Aircraft Systems	Small Unmanned Aircraft Systems Flight Technician Career Studies Certificate, FAA part 107 Remote Pilot Certification, FAA TRUST Certificate
Virtual Machining & Design	National Institute for Metalworking Skills (NIMS) Exam & NOCTI- Machining
Veterinary Science	iCEV Veterinary Medical Applications Exam
Welding	SENSE by American Welding Society/NOCTI

Follow Us on Social Media



Let's Get Connected for Our Latest News & Updates



on TikTok
@NewHorizonscte



on Facebook
@NewHorizonsRegionalEducationCenters



on Twitter @NHREC_CTE_BF
@NHREC_CTE_WL
@NHREC_VA



on Instagram @nhrecvirginia



on LinkedIn
@NewHorizonsRegionalEducationCenters



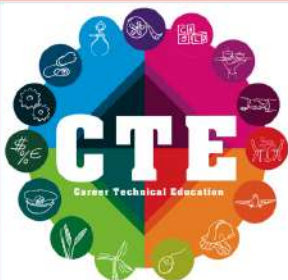
subscribe to our YouTube Channel
@NewHorizonsRegionalEducationCenters

New Northern Career and Technical Education

Program of Studies SY 2024-2025

CAREER CLUSTERS	COURSES	Unweighted GPA Minimum	CAMPUS	AM/PM SESSION	COLLEGE CREDITS	INDUSTRY CREDENTIAL(S)	Course Number	
Transportation & Logistics (1-yr program) (2-yr program)	Auto Body Collision Technology I, I, II	1.5	Butler Farm	AM 7:40-10am PM 12:15-3:15pm		ASE Entry-Level 80/8	80768877 8078	
	Automotive Technology II	1.5	Butler Farm	Both		ASE Entry-Level 80/8	80600507	
	Marine Service Technology I, II	1.5	Butler Farm	Both		NOCTI/ABYC	87508751	
	Unmanned Aircraft Systems	2.0	Woodside Lane	PM		Remote Pilot Certification	84878480/8610	
	Architecture & Construction (1-yr program) (2-yr optional) (1-yr program)	Building Construction I, II	1.5	Woodside Lane	Both		NOCCER	800718602
		Building Construction III	1.5	Woodside Lane	Both		NOCCER	8003
		Electricity and Renewable Energy	1.5	Woodside Lane	Both		NOCCER	80330654
		HVAC I, II	1.5	Woodside Lane	Both		EPAP/IAI Assessment	80030904
	(1-yr program)	Plumbing and Piping	1.5	Woodside Lane	Both		NOCCER	86518562
	Manufacturing Technology (1-yr program)	Visual Machining & Design	3.0	Butler Farm	AM	20 VPCC	NIMS	81308340
Mechatronics		3.0	Butler Farm	PM	20 VPCC	Siemens Mechatronics Skills Cert (NOCCTI)	85649165/8568	
Welding I & II		2.0	Both	I-AM & I-PM		AWS SENSE/NOCCTI	86728673	
Health Sciences (2-yr program)		Dental Careers I & II	3.0	Butler Farm	LA&M 1&L-PM		2-Day Cert., NOCCTI	81288320
	Medical Assistant	3.0	Butler Farm	Both		NOCTI/NHA Certification	84083940	
	Nurse Aide	3.0	Butler Farm	Both		Cert. Nursing Assistant	83003822	
	Palat Care Technician*	3.0	Butler Farm	Both		CPT, CET, CPT	8303	
	Physical and Occupational Therapy I, II	3.0	Butler Farm	Both		Certified Physical Therapist NHA EXPT Examination	83656536	
	Pharmacy Technician*	3.0	Woodside Lane	Both			83003300	
	Veterinary Science	3.0	Woodside Lane	Both		ICEV Vet. Medical Applications Exam	89888089	
	Human Services (2-yr program)	Cosmetology I & II	2.0	Both	I-AM & I-PM		State License/NOCCTI	87408740
		Culinary Arts I & II	2.0	Woodside Lane	I-AM & I-PM		Sens/Sale Manager / Diplomat	82748278
		Early Childhood Education	2.0	Woodside Lane	Both		AAE/CS Exam	82348295
Information Technology (1-yr program)	Cybersecurity Operations	2.5	Butler Farm	Both		NOCTI/IAA/Network+ Certification	00040350	
	Cybersecurity Systems Technology	2.5	Woodside Lane	AM ONLY		Comp TIA A+	80288628	
	Cisco Networking	3.0	Woodside Lane	PM ONLY		CISCO CCNA/Certipoint IT Specialties - Networking	01420434/0544/ RH0	
	Computer Programming & Gaming Applications	3.0	Woodside Lane	Both		Certipoint IT Specialist - Java	06400641	
Public Service (1-yr program)	Criminal Justice	2.0	Both	Both		NOCTI	81028703	
	Emergency Medical Technician	3.0	Butler Farm	Both		EMT/NOCTI	83338334	
	Fire Fighter	2.5	AM, WL & PM-EE	Both		Fire Fighter I & II/NOCTI	87038708	

Note: All course offerings listed above are contingent upon the necessary number of students enrolling in them. If a class does not attain minimum requirements then it may be canceled. As such, students are strongly encouraged to choose more than one course when completing an enrollment application. Dual enrollment credits are contingent upon employment of a qualified instructor and students meeting criteria. *Only seniors will be selected for this program due to testing requirements.



APPLY ONLINE Today



STEP 1 >

It only takes 10 minutes
www.nhrec.org/apply

STEP 2 >

High School Counselor
Completes Application

STEP 3 >

New Horizons reviews
applications & notifies
student acceptance
(May-Aug)

VISIT [HTTPS://NHREC.ORG/CTEC/](https://nhrec.org/ctec/) FOR MORE INFORMATION
(WOODSIDE LANE CAMPUS) 757-874-4444 | (BUTLER FARM CAMPUS) 757-766-1100