



ROANOKE COUNTY  
**Career &  
Technology  
Center**



— 2027-2028 —  
**PROGRAM  
GUIDE**

SAME VISION | NEW POSSIBILITIES

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# ABOUT US

## CHRISTIAN KISH



Dear Prospective Students and Families,

We are excited to begin the next school year in the Roanoke County Career and Technology Center (RCCTC), a brand-new, state-of-the-art facility built on more than six decades of excellence, innovation, and opportunity in Roanoke County Public Schools.

As principal, I am honored to welcome students into an exciting new chapter for career and technical education. RCCTC brings together talented students, dedicated educators, industry-informed programs, and exceptional learning spaces designed specifically for hands-on education. More importantly, it is a place where students can discover their interests, develop their talents, and begin turning possibilities into plans for their futures.

RCCTC serves students from all five Roanoke County high schools through specialized programs connected to career interests, further education, industry credentials, and high-demand professions. From your first day with us, our goal is to help you become Opportunity Ready, being equipped with the skills, knowledge, confidence, and experiences to succeed in whatever path you choose after high school.

Our story began in 1962, when the Roanoke County Education Center opened with just four programs. Over the decades, that school evolved into the Burton Center for Arts and Technology (BCAT), serving generations of students and developing a proud tradition of hands-on learning and career preparation. RCCTC carries that legacy forward in a facility designed for what comes next.

Our new center provides modern classrooms, laboratories, shops, equipment, and collaborative spaces built specifically for today's career and technical education programs. The facility gives our students opportunities to learn in environments that more closely reflect the workplaces, technologies, and expectations they will encounter beyond high school. New building or not, however, what matters most remains unchanged: outstanding teachers, meaningful relationships, high expectations, a welcoming culture, and students willing to challenge themselves.

Classes at RCCTC are offered in Super Blocks, extended instructional periods that provide the time necessary for deeper learning, project-based instruction, and authentic hands-on practice. Morning sessions run from 7:30–10:50 a.m., and afternoon sessions run from 12:25–2:55 p.m. Students complete their core academic courses and some electives at their base high schools while also attending RCCTC for their specialized coursework.

Transportation is provided between each base high school and RCCTC. Morning students travel to their base school to catch the shuttle to RCCTC, although families may choose to transport students directly to the school. Afternoon students travel from their base schools to RCCTC following lunch, and students return to their base schools by shuttle at the conclusion of their sessions. Special transportation for students with disabilities is provided between the base school and RCCTC for eligible programs.

If you are looking for an education that allows you to learn by doing, explore a career, develop real-world skills, and discover what you are capable of accomplishing, RCCTC may be the place for you. Some students will spend one year with us and others several, but every student will have the opportunity to leave with experiences, skills, and relationships that extend far beyond the classroom.

Application information can be found at this website - <https://bcat.rcps.us/applications>.

For more than 60 years, the campus we are leaving behind has helped students discover possibilities for their futures. Now, in a new facility built for the next generation, we are ready to build upon that legacy.

Find your spark. Ignite your potential. Brighten your future.

We look forward to welcoming you to RCCTC.

Sincerely,

Mr. Christian J. Kish  
Principal



# APPLICATION PROCESS AND SELECTION INFORMATION

## Applying to RCCTC: What You Need to Know

If you want to be part of the Roanoke County Career and Technology Center (RCCTC) next school year, here's how the process works:

All students must complete the online application on the BCAT/RCCTC website by January 15, 2027. In the application, you'll get to choose up to three programs and rank them in the order you prefer. We encourage you to talk with your parents or guardians about your choices before you hit "submit," so everyone is on the same page.

After applications are in, every student will be interviewed by a member of our RCCTC selection team by mid-February 2027. During your interview, we'll confirm your program choices. Your top choice is the biggest factor we look at when making decisions, so think carefully before ranking them. If you change your mind during the interview, it's your job to let your parent or guardian know about the change.

Each program has its own interview questions and some additional application steps. We'll email you any extra information you need before your interview so there are no surprises.

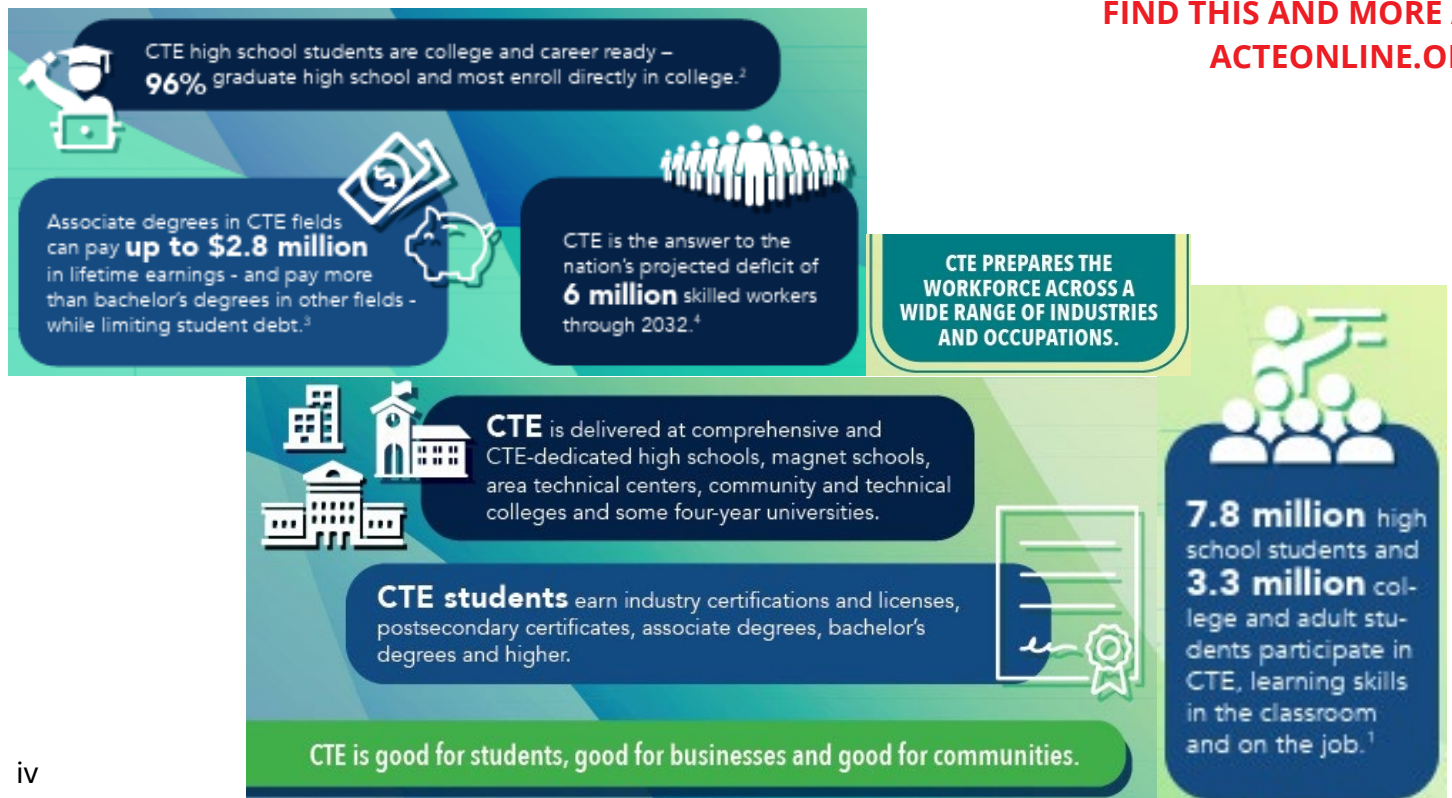
Here's what happens next: after interviews are completed, the selection committee will review grades, attendance, and interview responses to fill the available spots in each program. If you qualify for more than one program, you'll get your first choice whenever possible. In very rare cases, a student might be offered a spot in more than one program, and our counseling team will reach out if that happens.

To keep things fair for everyone, we can't give individual feedback on interviews or tell you your exact place on a waitlist. However, every year some students on the waitlist do end up getting a spot, sometimes even into the summer, so don't lose hope if you don't get in right away.

## WHAT IS CTE?

CTE: CAREER AND TECHNICAL EDUCATION

FIND THIS AND MORE AT  
[ACTEONLINE.ORG](http://ACTEONLINE.ORG)



# STUDENT ORGANIZATIONS

## FUTURE BUSINESS LEADERS OF AMERICA (FBLA)



Membership in this organization consists of students who are preparing for business careers. Its purpose is to actively engage these students in better preparing themselves for useful occupations “that will bring the greatest good to the greatest number” of people. FBLA offers an opportunity for a broader social life within the school through local activities and through participation in competitive events at regional, state, and national levels.

## FAMILY, CAREER, & COMMUNITY LEADERS OF AMERICA (FCCLA)



FCCLA is designed for secondary students enrolled in childcare and culinary programs. This student organization promotes leadership and citizenship and helps build character among its members. Early Childhood Education, Teaching Internship, and Culinary Arts students are encouraged to become state and national members and to participate in competitions using the skills they have learned in class.

## HEALTH OCCUPATIONS STUDENTS OF AMERICA (HOSA)



HOSA aims to empower future health care professionals to become leaders in the global health community through education, collaboration, and experience. HOSA's purpose is to develop leadership and technical skill competencies through a program of motivation, awareness, and recognition. Valuing learning, leadership, service, and innovation, HOSA students will gain experience in local, regional, state, and national competitions if they qualify.

## JOBS FOR VIRGINIA GRADUATES (JVG)



Jobs for Virginia Graduates (JVG) is an affiliate of Jobs for America's Graduates (JAG), a national career association that supports high school students to move from classroom to career through mentoring and the development of soft skills. At Burton, JVG fosters student success in areas of basic adulting skills, time management, goal setting, professional communication, job search/application process, resume writing, interview skills, professional dress and etiquette, soft skills necessary in the workplace, and career planning. JVG is proud to offer Burton students support and leadership opportunities that provide an advantage in tomorrow's competitive job market.

## SKILLS USA



SkillsUSA is an organization for students preparing for futures in trade, industrial, technical, and health occupations in our public high schools and post-secondary schools. It provides leadership, citizenship, and communication skills training as part of the curriculum. Skills USA offers prestige and recognition through a national program of awards and contests.

The Virginia Skills USA Championships bring together over 1,000 local and district champions to the state conference to vie for gold, silver, and bronze medallions and other prizes and scholarships in over 80 skill and leadership events.

## TECHNOLOGY STUDENT ASSOCIATION (TSA)



TSA is a national career and technical student organization of students engaged in science, technology, engineering, and mathematics (STEM). TSA's intracurricular program include competitions and leadership activities. As a student organization of 300,000 middle and high school technology and engineering students, TSA provides its members the opportunity to explore a wide variety of STEM career interest areas. All TSA competitions-more than 70 middle and high school events combined-are correlated with national STEM standards to enhance STEM curriculum. Since 1978, more than four million students have participated in TSA.

# GOVERNOR'S STEM ACADEMY

The Roanoke County Governor's STEM Academy at Burton Center for Arts and Technology (BCAT)/Roanoke County Career and Technology Center (RCCTC) will develop and expand course offerings for the secondary school population of Roanoke County Public Schools. The offerings emphasize science, technology, engineering and mathematics, project-based learning, critical thinking skills, and credentials that prepare students for high-demand and high-wage careers to meet evolving workforce needs in local, national, and global markets. Business involvement and support is crucial to the STEM Academy. It is through this involvement and support that the STEM Academy gains its advisory board, student internships, and material support.

Students can pursue many dual enrollment opportunities through Virginia Western Community College, which may result in earning credits toward two-year and four-year degrees.

The Governor's STEM Academy at BCAT/RCCTC contains four programs that fall under specific VDOE career clusters:

| GOVERNOR'S STEM ACADEMY AT BCAT/RCCTC | VDOE CAREER CLUSTER                           |
|---------------------------------------|-----------------------------------------------|
| CENTER FOR ENGINEERING                | SCIENCE TECHNOLOGY ENGINEERING & MATHEMATICS  |
| CENTER FOR MASS COMMUNICATION         | ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS |
| MECHATRONICS/ ROBOTICS                | SCIENCE TECHNOLOGY ENGINEERING& MATHEMATICS   |
| MOTORSPORTS TECHNOLOGY                | TRANPORTATION, DISTRIBUTION & LOGISTICS       |

## SPECIALTY CENTERS

**Specialty Centers provide rigorous courses for students who have specific interest areas, talents, and career goals.**

The Specialty Centers offer in-depth study not available in other classes, hands-on experiences, integrated curriculum, enriching experiences, travel opportunities, and internships. All rising ninth-grade students in Roanoke County Public Schools are invited to apply to one or more of the three Specialty Centers. Certain Specialty Center classes in grades ten through twelve will be weighted. Course changes can be made through the end of the first 9 weeks.

### Application Process

- Students may apply to more than one Specialty Center. An application must be completed for each center.
- Students must first fill out the BCAT/RCCTC General Application online by January 15, 2027.
- The Specialty Center application(s) will be emailed to students' school email soon after submitting the general application.
- The Specialty Center second applications are due by January 29, 2027.
- Acceptance letters will be sent home by mid-March.
- The application process for the Specialty Centers is competitive. Only the top students who meet the minimum criteria for acceptance in that center will be accepted.

### For More Information on Specialty Centers at RCCTC and NHS

General Information: Christian Kish - Principal, RCCTC, 540-857-5000, ckish@rcps.us

General Information: Maggie Long - School Counselor, RCCTC, 540-857-5000, mlong@rcps.us

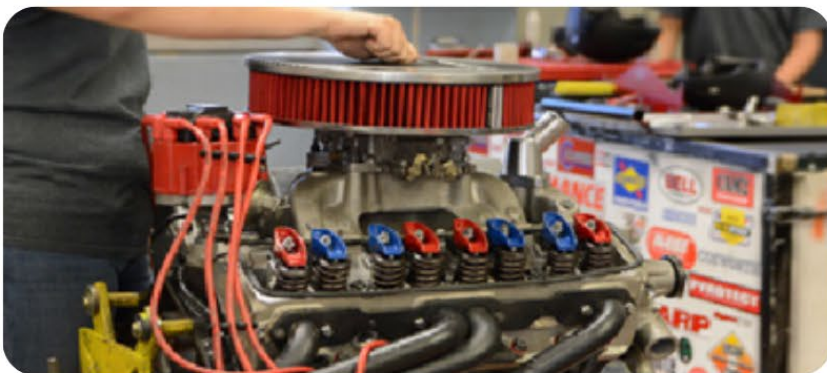
Engineering: Mark Jones - Supervisor of CTE 562-3900 x10332, mcjones@rcps.us

Mass Communication: Joe LeGault – Supervisor of English and RCPS Online 562-3900 x10252, jlegault@rcps.us

Visual Arts: Sara Cubberley – Supervisor of Art 562-3900 x10322, scubberley@rcps.us



INSTRUCTOR: STEVE HOBACK



## Basic Maintenance and Repair

Oil changes, tire rotations, putting a new tire on a rim, and replacing belts, filters, and light bulbs



## Automotive Systems & Diagnostics

Belts & hoses, brakes, emissions, exhaust, and engine cooling, reading a meter, running the alignment machine, and troubleshooting



## Diesel Engine Technology

Operation, maintenance, diagnostics, and repair of diesel engines



## Work-based Learning

Working on staff and community members' vehicles

SCAN FOR MORE INFO



## Career Options

Transportation, Distribution, & Logistics

Auto technician, aircraft mechanic, diesel technician, diesel engine specialist, industrial technician, electrical technician

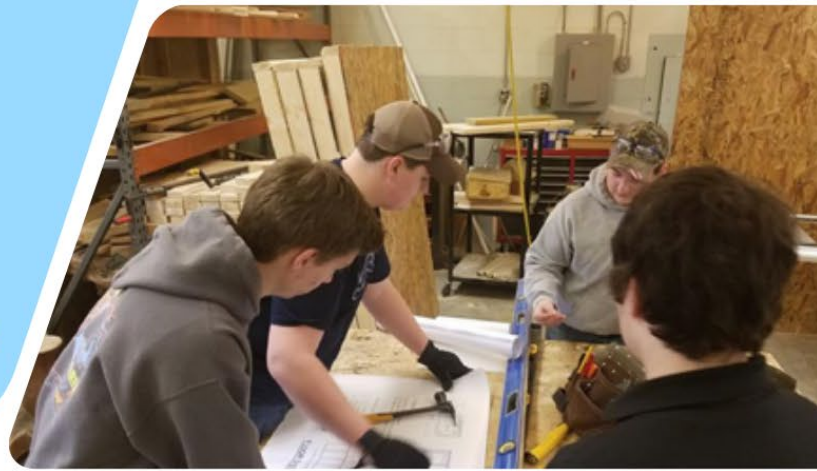


## Certifications Available

ASE (Automotive Service Excellence), SP2 Safety and Pollution Prevention certification, EPA 609 Mobile A/C certification, Virginia State Inspection certification, NC3 Meter certification



INSTRUCTORS:  
KEITH ROBINSON  
TOM SHELTON



### Electrical

Wiring outlets and switches, and setting up a breaker box



### Plumbing

Installing PVC and copper pipes, ensuring there are no leaks, and installing toilets, sinks, and faucets



### Carpentry/Cabinetry

Woodworking: creating walls, completing structures, and building cabinets



### Masonry

Working with brick, block, and tile to create brick walls, tile a floor, or build larger structures from concrete block

SCAN FOR MORE INFO



## Career Options

Architecture & Construction

Construction worker, carpenter, electrician, foreman,  
plumber, dry wall installer, painter



## Certifications Available

NCCER (National Center for Construction Education and Research), OSHA 10-hour safety training-general industry



## Damage Analysis & Estimating

Assessing vehicle damage, identifying repair needs, and preparing repair estimates



## Collision Repair

Repairing non-structural damage, metal finishing, body filling, and panel repair



## Painting & Refinishing

Surface preparation, spray gun operation, paint mixing and matching, paint application, and final vehicle detailing



## Career Readiness & Industry Skills

Customer service, leadership, and interpersonal skills

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## Career Options

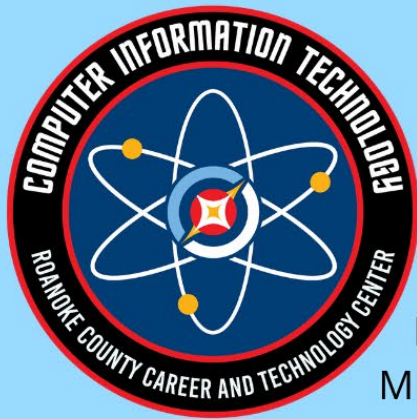
Transportation, Distribution, & Logistics

Auto body repair technician, auto refinishing technician, collision damage estimator, auto glass technician, auto detailer

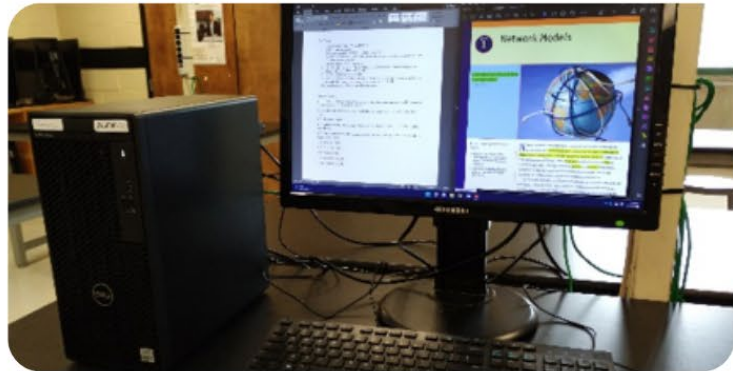


## Certifications Available

Students in the program may have the opportunity to earn an industry-recognized credential in Collision Repair



INSTRUCTOR:  
MICHAEL FRENCH



## Computer Components

The CPU, RAM, motherboard, video cards, power supply units, troubleshooting and repair



## Computer Peripherals

The monitor, printer, keyboard, mouse, USB drive



## Operating Systems

Installation, maintenance, upgrades, troubleshooting, and repair



## Networking Concepts

A stand-alone, advanced course for juniors and seniors only. An in-depth look at networking hardware, topologies, protocols, and troubleshooting

SCAN FOR MORE INFO



## Career Options

Information Technology

Help desk technician, computer support specialist, computer network engineer, IT systems analyst, database administrator



## Certifications Available

CompTIA A+, CompTIA IT Fundamentals, CompTIA Network+

INSTRUCTOR: SARAH CARROLL

# COSMETOLOGY

\*Available to rising sophomores only



## Hair

Cutting, styling, coloring, permanent waves and relaxers



## Skin

Produce glowing skin with facials, waxing, and other skin care services



## Nails

Keep nails looking polished and perfect with manicures and pedicures



## Salon Management

How to create a positive and relaxing experience in the salon

SCAN FOR MORE INFO



## Career Options

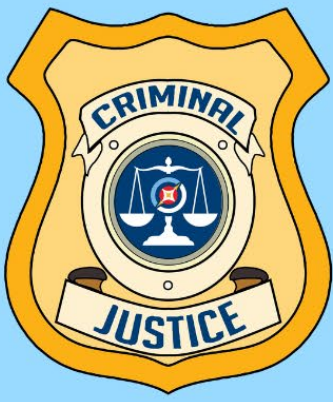
Human Services

Licensed cosmetologist, barber, nail technician, makeup artist, salon manager/owner, skin care consultant, platform artist, brand educator



## Certifications Available

Licensure: testing available at the end of year 3 through the VA Cosmetology State Board



INSTRUCTOR:  
JASON WALLS



## Basics



Crime prevention, traffic stops, and arrest procedures

## Crime Scene Investigation



Detective work, evidence handling, victim and perpetrator profiles, behavior and psychology of crimes and those involved

## American Court System & Corrections



Court structure, testimony, prosecution and defense of criminal cases

## Internship



Available during year 3 through the Roanoke County Police Department

SCAN FOR MORE INFO



## Career Options

Law, Public Safety, Corrections, & Security

Police officer, sheriff's deputy, state trooper, game warden, lawyer, judge, FBI agent, probation officer, youth services worker



## Certifications Available

None at this time



## Heating & Cooling Systems

Fundamentals of heating, ventilation, air-conditioning, and refrigeration systems (HVACR)



## Installation, Troubleshooting & Repair

Installing, diagnosing, repairing, and maintaining HVACR equipment



## Piping, Tubing & Electrical Components

Working with piping and tubing with heat, electricity, and basic motors



## Refrigerants, EPA Regulations & Environmental Safety

Refrigerant handling, EPA regulations, and environmentally responsible HVACR practices

SCAN FOR MORE INFO



## Career Options

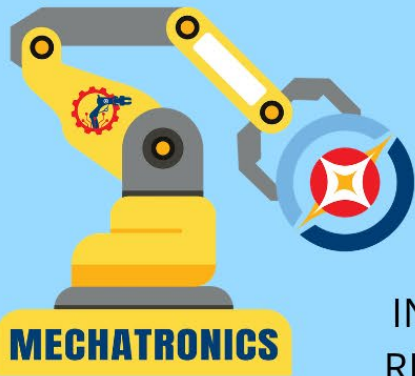
Architecture & Construction

HVACR technician, heating & air-conditioner installer, refrigeration technician, HVAC maintenance technician, HVAC sales

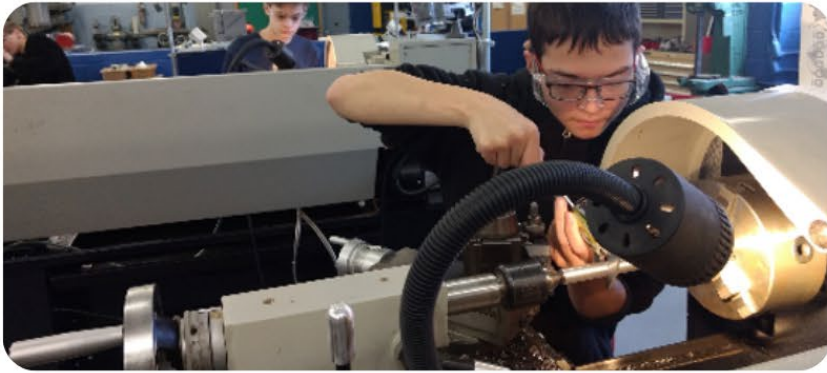


## Certifications Available

Students in the program may have the opportunity to earn an industry-recognized credential in HVAC



INSTRUCTOR:  
RICK HENEGAR



## What is Mechatronics?

Combines the areas of mechanical systems, control electronics, pneumatic and hydraulic devices, and electrical systems



## Basics of Machining, Mechatronics, and Robotics

Additive and subtractive processes, pneumatics, hydraulics, electronics, and automation



## Software Programs

CAD and CAM to design and manufacture products



## Work-based Learning

Designing and creating products for staff and community members/businesses

SCAN FOR MORE INFO



## Career Options

Manufacturing

CNC machine operator/programmer,  
mechatronics engineer, automated  
manufacturing technician, industrial engineering  
technician, precision inspector



## Certifications Available

NIMS-Level 1 for Machining, NC3 Certification for  
Introduction to Mechatronics, OSHA 10-hour  
safety training-general industry



INSTRUCTOR: CHRIS OVERFELT



## Tools, Machines & Skills

Those used to build a racecar from scratch, welding, and fabrication



## Vehicle Systems

Chassis fabrication, racecar fabrication, electrical wiring, & running brake lines



## Professional Racing

Drag cars, go-karts, street rods, race car trailers, racing protocols, and regulatory compliance



## Work-based Learning

Working on local projects, possible trip to a racetrack, and eligibility to participate with the engine team

SCAN FOR MORE INFO



## Career Options

Transportation, Distribution, & Logistics

Race team member, mechanic, welder, fabricator, welding instructor, welding inspector



## Certifications Available

OSHA 10-hour safety training-general industry, AWS qualification available through the program



INSTRUCTOR:  
CHRIS OVERFELT



## Basic Skills



Using a welder, grinder, and other tools, and reading blueprints and equipment drawings/symbols, arc and plasma cutting, design software, and machine safety



## Metal

Characteristics and the different types



## Welding Processes

Oxyacetylene, SMAW, GMAW, FCAW, GTAW



## Work-based Learning

Working on real community projects

SCAN FOR MORE INFO



## Career Options

Manufacturing

Construction welder, manufacturing welder, rig welder, pipefitter, ironworker, fabricator, welding instructor, shipyard welder, military welder, underwater welder

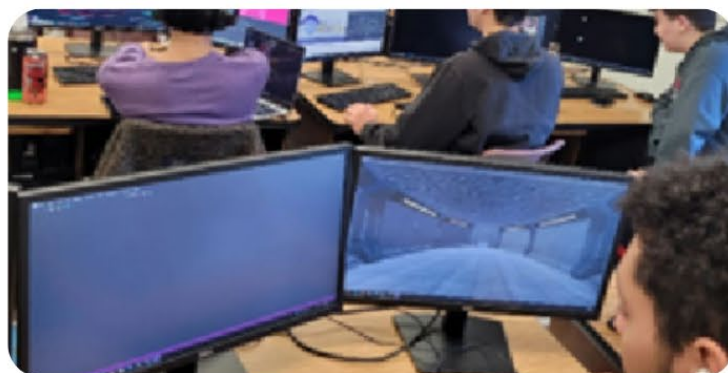
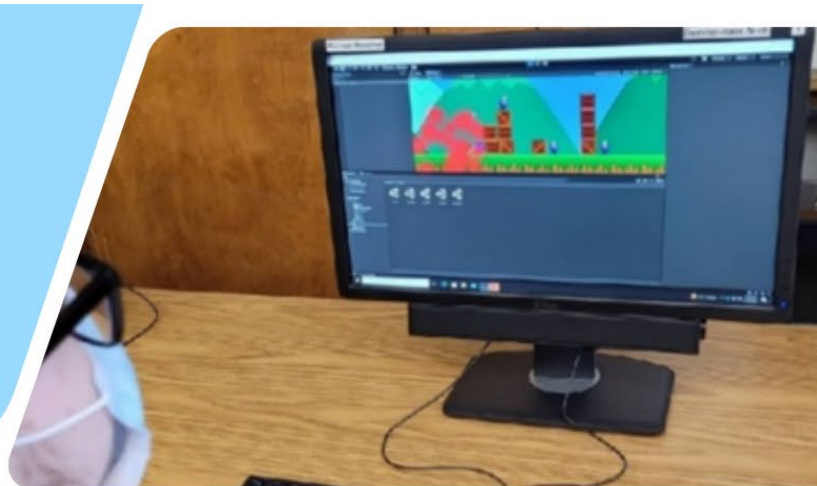


## Certifications Available

OSHA 10-hour safety training-general industry, AWS qualification available through the program



INSTRUCTOR: WAYNE SMITH



## Basic Skills

Computer programming, coding, & information technology



## Game Design

The creative side/the vision, game aesthetics, game structure, game rules, character and story development, layout, object placement



## Game Development

Bringing the design to life, create & test, levels, game audio, and user interface



## Gaming Industry

Past, current, and future

SCAN FOR MORE INFO



## Career Options

Information Technology

Game level designer, game tester, character designer, entry level programmer, video game designer, mobile app designer



## Certifications Available

Microsoft Excel, Excel Expert, Word, Word Expert, Powerpoint



INSTRUCTOR:  
ZACHARY SHUPE



## Basic Skills

Kitchen tools, kitchen sanitation, and safe food practices



## Working with Food

Menu planning, nutrition, selecting ingredients, food pairing, purchasing, proper storage, cooking techniques, and plating/food presentation



## Equipment

Using commercial equipment safely, equipment preparation, and cleaning



## Work-based Learning

Real experience with catering services and running the culinary store

SCAN FOR MORE INFO



## Career Options

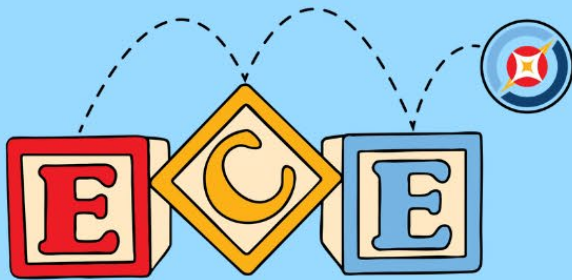
Hospitality & Tourism

Prep chef, sous chef, catering staff, restaurant manager, hospitality management



## Certifications Available

ServSafe Manager



Early Childhood Education

INSTRUCTOR: AMANDA KINSER



## Child Development

Developmental stages from birth to age 6, nutrition, special needs, and behavior modification



## Child Safety

Physical safety, social & emotional safety



## Instruction

How to write basic lesson plans, developmental needs for learning, interacting with young children, resources to support learning



## Internship

Experience with young children in a real daycare or elementary school setting, one to two days per week under a teacher's supervision

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## Career Options

Education & Training, Human Services

Early childhood/preschool teacher, elementary teacher, school social worker, school counselor, librarian, childcare center director



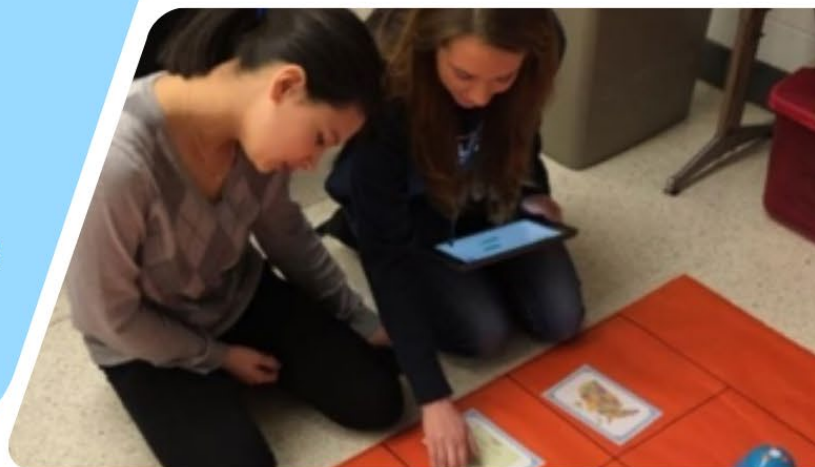
## Certifications Available

Child Development Associate (CDA) through independent study after ECE II



INSTRUCTOR:  
AMANDA KINSER

\*Available to rising  
seniors only



## Child Development, Needs and Barriers

Physical, emotional, social, intellectual/learning



## Lessons

How to plan for, prepare, execute, assess, and remediate, including SOLs



## Standards

Behavior for teachers, attire, ethics, and confidentiality



## Internship

Students spend most of the course shadowing a Roanoke County Public Schools' teacher

SCAN FOR MORE INFO



## Career Options

Education & Training

Early childhood/preschool teacher, elementary or secondary teacher, instructional assistant, school administrator, school counselor, college professor



## Certifications Available

None at this time



INSTRUCTOR:  
COMMAND SENIOR CHIEF  
SHAWN WINGLE

NAVY NATIONAL  
DEFENSE CADET CORPS



## Leadership & Teamwork



Step up, lead your peers, earn a promotion, and discover what it takes to be part of a high-performing team. NNDCC builds confidence and leadership skills early in life.

## Personal Growth



Build discipline, integrity, and purpose that last long after graduation. Become your best self — someone others can count on.

## Prepare for the Future



Whether college, the military, or a civilian career is your goal, NNDCC gives you a powerful head start. Graduate with real experience, a strong resume, and a clear vision for your future.

## Real-World Experiences



Experience drill competitions, air shows, and exclusive field trips. If you're looking for action, excitement, and something beyond the typical school day — this is it.

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## Career Options

Government and Public Administration

Military Service, Aviation Technician or Pilot, EMT or Firefighter, Homeland Security Professional, Engineer or Technician, Public Service or Government Worker

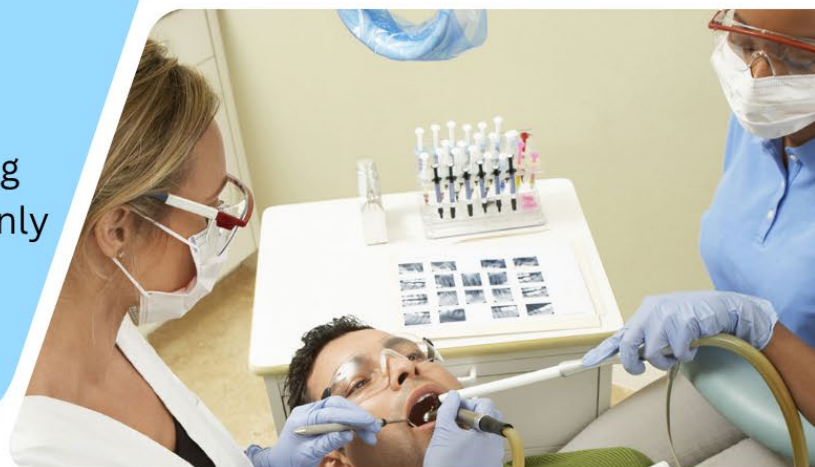


## Certifications Available

None at this time



\*Available to rising juniors & seniors only



## Dental Science & Anatomy

Anatomy and physiology, tooth morphology, oral histology, oral pathology, nutrition, and preventive dentistry



## Clinical Dental Procedures

Operative dentistry, dental radiology, coronal polishing, medical emergencies, and infection control



## Dental Office & Professional Skills

Office administration, dental software, communication, applied psychology, and pharmacology



## Dental Laboratory & Materials

Dental materials, laboratory techniques, advanced laboratory procedures, and the preparation and handling of materials used in dental care

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## Career Options

Health Science

Dental assistant, dental hygienist, dental laboratory technician, orthodontic assistant, oral surgery assistant, dental office manager



## Certifications Available

Students in the program may have the opportunity to earn an industry-recognized credential in Dental Assistant



INSTRUCTOR:  
CRISTA HOOVER

\*Applicants must  
be 16 years old by  
Labor Day



## Basic life support (BLS)

First aid, cardiopulmonary resuscitation (CPR)



## Airway Management & Breathing

Removing obstructions, providing life-saving interventions, ensuring oxygen intake is sufficient, administering oxygen, provide ventilation



## Trauma

Bleeding control, shock management, treat injuries throughout the body



## Clinical Experience

During the first year of the program, treat REAL patients alongside Roanoke County Fire & Rescue personnel

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## Career Options

Health Science

EMT, Firefighter, Paramedic, Flight Paramedic  
Safety Officer, Nurse, Physician, Surgeon

## Certifications Available

BLS/CPR, National Registry EMT (18 and over),  
VAEMT (under 18), National Incident Management  
System, Stop the Bleed, Prehospital Trauma Life  
Support, Pediatric Education for Prehospital  
Professionals, Geriatric Emergency Medical Services,  
Advanced Medical Life Support



INSTRUCTOR:  
LAURA SCHOONOVER

\*Available to rising juniors & seniors only



### **Safety**

Body mechanics, handling of medical equipment, legal and ethical concerns



### **Anatomy & Physiology**

Body structures & functions, medical terminology, acute & chronic medical conditions



### **Patient Care**

Basic nursing skills involving activities of daily living, infection control/prevention, human needs & development, mental health/illness, nutrition, emergency care



### **Experience in Clinical Setting**

40 hours of hands-on patient care at a local healthcare facility in year 2 of the program

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## **Career Options**

Health Science

CNA at Carilion Clinic facilities or in the Roanoke Valley, EKG Technician



## **Certifications Available**

AHA First Aid and BLS (year 1), Certified Nursing Assistant (CNA—year 2), EKG Technician (year 2).  
Certificates of Completion: CPI Non-violent Crisis Intervention & REVIVE! Opioid Reversal



INSTRUCTOR:  
RHONDA WILLIAMS

\*Available to  
rising juniors only



## Image Production

Body positioning, equipment operation, and radiation safety



## Medical

Ethics, terminology, medicolegal issues, pathology



## Working with Patients

Assessment, communication, interaction, Anatomy, CPR & AED



## Real-World Experiences

Practice with other students and volunteer patients

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## Career Options

Health Science

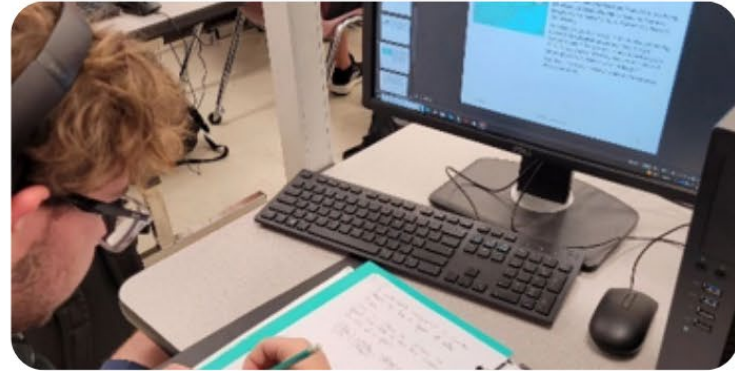
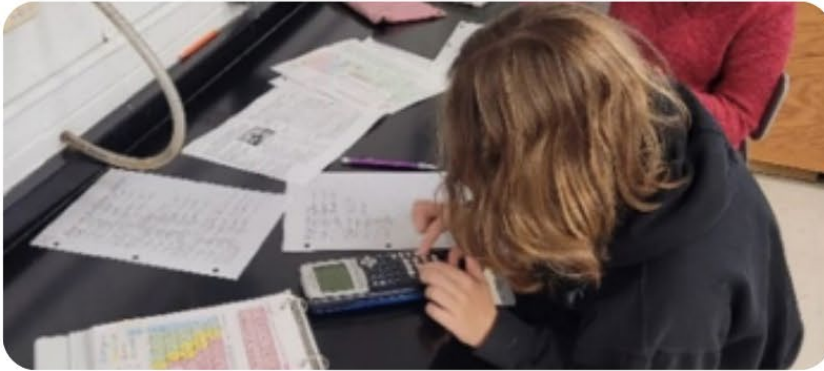
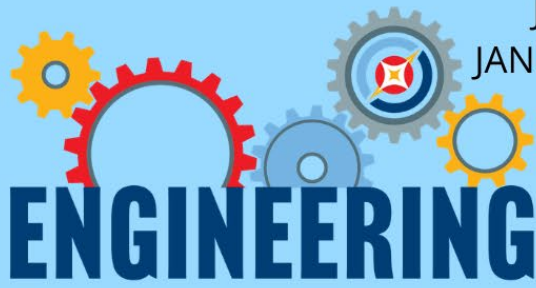
Limited radiologic technologist, registered radiologic technologist, CT technologist, MRI technologist, ultrasound technologist, radiologic technology educator



## Certifications Available

Basic Life Support (BLS), including CPR and AED.  
The Rad Tech Limited certification can be obtained post-graduation through Carilion.

DIRECTOR: DAN HORINE  
INSTRUCTORS:  
JOHN HAMBY  
JANET WASHINGTON



## Problem Solving

Design and build innovative solutions to real problems using science knowledge, mathematical reasoning, and tools of technology

## Technological Tools and Systems

Computer Aided Design (CAD), manufacturing machinery, 3-D printing, CNC engraving, circuits and soldering, electronics, pneumatics, hydraulics

## Collaboration

Work in several different types of teams to explore innovation that involves multiple disciplines

## Internship

Students spend part of their senior year interning with an engineer in their preferred field

SCAN FOR MORE INFO



## Career Options

Science, Technology, Engineering, & Mathematics

Civil and architectural engineering, computer aided design, electrical engineering, computer science, medical engineering, aeronautical engineering



## Certifications Available

OSHA 10 Safety Certification



**MASS  
COMMUNICATION**

DIRECTOR: ERIC SALO  
INSTRUCTORS:  
ELIZABETH CHAPMAN  
MICHAEL CUBBERLEY  
SARA CUBBERLEY



## Program Overview

Mass Comm I-IV: Grades 9-12  
Graphic Communication I & II: grades 10-11  
Advanced English: Grades 9-11  
Industry Internship: Grade 12

## Topics/Skills

Advertising/marketing, branding, layout and composition, media literacy, history of media, legal and ethical issues, multimedia production including video, audio, photography, graphic design, podcasting, film, documentaries, journalism, social media

## Soft Skills

Collaboration, creativity, communication, critical thinking, interpersonal communication, public speaking, professionalism

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## Career Options

Arts, A/V Technology, & Communications

Producer/director, graphic designer,  
videographer/photographer, media manager,  
advertising/creative director, public relations,  
journalist, film/video editor

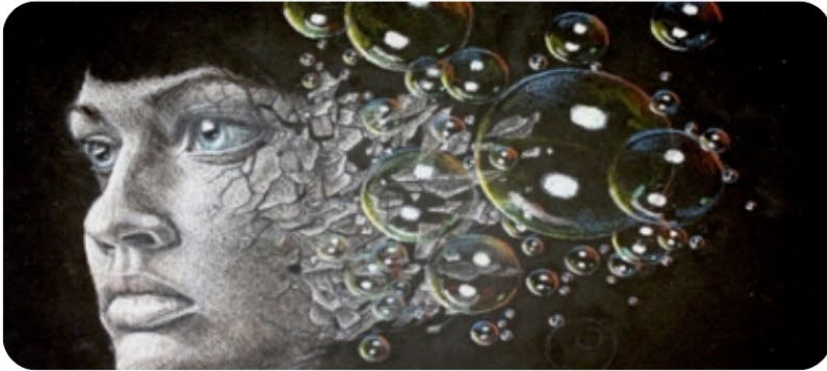
## Certifications Available

None at this time



DIRECTOR: NATALIE STRUM  
INSTRUCTORS:  
GABBY FROHOCK  
ASHLEY WIMER

\*This program is  
located at Northside  
High School



## Techniques

Drawing, painting, pottery, printmaking, digital, and sculpture



## Media

Acrylic paint, oil paint, pen and ink, charcoal, pastel, watercolor, gouache, scratchboard, and colored pencil



## Art History

Cave painting through contemporary art



## Museum Studies and Internship

Participation in class at Taubman Museum of Art for a portion of each year. Seniors have the option to take an Art Internship

SCAN FOR MORE INFO



## Career Options

Arts, A/V Technology, & Communications

Painter, Illustrator, Designer, Graphic Designer,  
Interior Design, Textile Design, Product Design,  
Industrial Design, Art Educator, Art Historian, Art  
Museum Curator, Set Design, Jewelry Design



## Certifications Available

None at this time

# NOTES





ROANOKE COUNTY  
**Career &  
Technology  
Center**

6305 Peters Creek Road  
Roanoke, VA 24019  
540-857-5000

<https://www.rcps.us/BCAT>

## TAKE OUR VIDEO TOUR

<https://youtu.be/NOw9UtNKY7E>



## APPLY TODAY

<https://bit.ly/APP2728>



### For more information contact:

Maggie Long

RCCTC School Counselor

[mlong@rcps.us](mailto:mlong@rcps.us)

540-562-3900 Ext. 29011 (through December 2026)

540-562-3900 Ext. 28011 (**starting in January 2027**)

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