

CENTER *for*  
**CAREER**  
& **TECHNICAL**  
EDUCATION

We've got **SKILLS!**



2024/25

# CCTE STUDENTS SAY...

"Being able to come to CCTE for Culinary and still being able to be in marching band for my home school is one of my favorite things!"

~Darik Elbin

"The best decision I could have made for my future, I'm still playing as a starting guard for Fort Hill football while practicing as a Nurse's Assistant."

~Alex Case

"CCTE is a place of freedom, opportunity, and the ability to learn about yourself and others in a creative and transformative way."

~Ashton McCusker

"What a great opportunity to get ahead in the career I want! I have already learned so much and have been able to participate in fun and challenging activities."

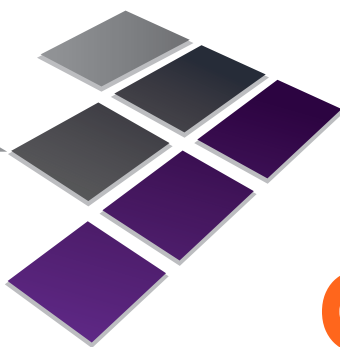
~Desiré Brashear

"The Career Center has helped me get a jump start on the education needed for my dream career, plus a license in my field!"

~Kylie Pendergast

"CCTE shed light on what my career interest has to offer and how much passion I have for it. The teachers are so knowledgeable and are able to give you leads and insight."

~Lucas Laber



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## CCTE@ *a glance*

**1** COUNTY

**3** HIGH  
SCHOOLS

**14** CAREER &  
TECHNICAL  
PROGRAMS

**6** APPRENTICESHIP  
OPPORTUNITIES

**26** ARTICULATION  
AGREEMENTS

**3** PROFESSIONAL  
ORGANIZATIONS

**12** STUDENT  
CLUBS



# CCTE TOP 10 REASONS

## CCTE's top 10 things parents and student should know...

- 1** Career and Technology Education gives students a head start on college and careers in high skills, high-wage and high-demand occupations organized in ten different Career Clusters.
- 2** CCTE is for the career and college bound students. In today's workplace, continued education and training is a given. CCTE programs are usually a sequence of 4 or 5 high school courses taken in addition to the academic core classes of math, science, English and social studies. Students completing both the academic requirements and a CCTE program have the advantage of graduating from high school prepared for college and the workplace.
- 3** CCTE students are able to earn college credits and certifications to give them an extra advantage after earning their diplomas. It's true! Most of the 15 CCTE programs offer students an opportunity to earn college credit, industry-recognized certification, or both. As an added bonus, nearly every CCTE program connects to a similar two-year college program which makes it possible for students to make the transition from high school to college.
- 4** Students apply what they learn in academic classes and this applied learning increases retention and understanding! For example, in the Engineering program, Project Lead the Way, students apply skills learned in higher level math courses to real world engineering projects.
- 5** Skill instructors are industry professionals teaching with up-to-date equipment and technology. CCTE teachers have worked in their fields as part of their certification. Industry advisory boards help schools design and equip learning labs.
- 6** Parents and students can save money! High school is the only time individuals can obtain education focused on career preparation without writing a tuition check! High school students can earn licenses and credentials, such as a Maryland Cosmetology license or a range of computer software certifications, often at a reduced cost compared to the cost of obtaining certifications and licenses outside of high school. CCTE students can also save money on college tuition by earning college credit.
- 7** Programs are designed for the future. Maryland industries and businesses partner with local school districts; college and Maryland State Department of Education to create programs of study that prepare students with the knowledge and skills required for current and future careers.
- 8** Internships and work-based learning opportunities provide "real world" work experiences and the prospect of developing a professional network. CCTE programs frequently include a final internship or work-based learning experience which helps students develop a network of co-workers and managers who may also become valuable references.
- 9** Leadership and interpersonal skills are expanding! Students enrolled in CCTE programs can join local chapters of national student organizations such as the Future Business Leader of America (FBLA). Participating in career and technical student organizations like SkillsUSA and other state and national career competition builds confidence as students demonstrate their skills and knowledge.
- 10** To enroll your son or daughter or to learn more about CCTE programs, please call the Center for Career and Technical Education office at 301-729-6486 and ask for Mr. Richard King, Principal or Mrs. Jenean Fazenbaker, school counselor.



# CCTEKNIGHTS



Welcome to the Center for Career and Technical Education! The staff at CCTE is happy to have the opportunity to provide our students quality career technical and academic options. Students in our fourteen career technical programs are able to develop skills and knowledge in a hands-on, active learning environment. These skills ensure success for our students as they enter the work force, college, or both. We encourage you to

**be you, be inspired  
& be skilled!**



**Richard King**  
*Principal*



**Joseph Brewer, Jr.**  
*CTE Supervisor*



**Jenean Fazenbaker**  
*CCTE Guidance Counselor*

Allegany County Public Schools

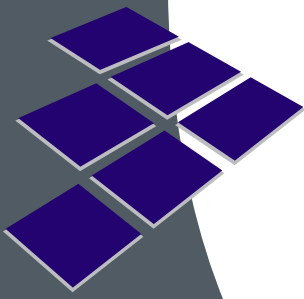
## CENTER FOR CAREER AND TECHNICAL EDUCATION



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# ACADEMY OF HEALTH PROFESSIONS

## What's NEW

- Pharmacy Technician
- Zspace 3D Technology

Use project and problem-based learning, clinical, work-based learning, and job shadowing experiences and classroom and lab instruction to get prepared for the health care field.

Employment of healthcare occupations is growing faster than all other occupations. This projected growth is mainly due to an aging population, leading to greater demand for healthcare services. \*

This two-year college and career ready course is designed to prepare students for careers in health care. Students will be able to explore many medical specialties and participate in experiences that focus on the specific knowledge, skills and abilities that relate to the medical specialty they are most interested.

Engage in our new Zspace 3D technology that utilizes augmented and virtual reality to supplement student learning. Students can dissect, analyze, and explore human organs and specimens to enhance their understanding of anatomy and physiology.

\*United States Department of Labor Bureau of Labor Statistics - <https://www.bls.gov/ooh/healthcare/home.htm>



## STUDENTS WILL:

- participate in hands-on clinical experiences
- have the opportunity to be certified in the following:
  - Certified Clinical Medical Assistant
  - Pharmacy Technician
  - Certified Nursing Assistant
  - Geriatric Nursing Assistant
- have the opportunity for admission to ACM allied health program
- earn credits toward a college degree

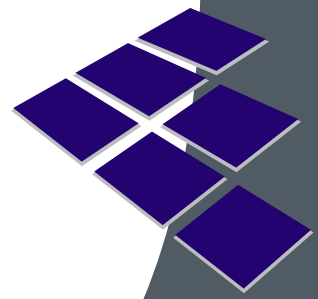
## Project based hands-on LEARNING SKILLS

- Transferring patients with state of the art equipment
- Assessing overall patient condition
- Providing care for patients in multiple settings
- Health care provider CPR
- Completing sterile procedures
- Drawing blood & administering injectable medications
- Performing EKG's
- Resume and portfolio development
- Filling prescriptions
- Assisting with physical examinations





# AUTO COLLISION REPAIR



Express your artistic ability. Would you like to be the envy of your neighborhood when you drive up in your slammed, gleaming, show worthy ride? Auto Collision is for you!

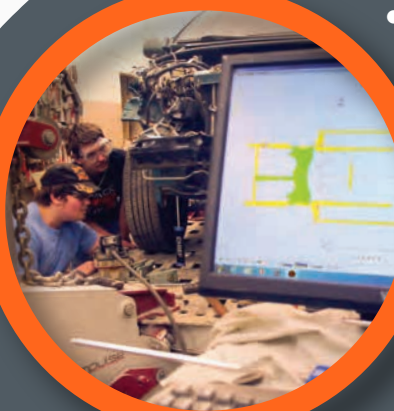
This two-year college and career ready course is designed to prepare students for careers in the collision industry. As one of the largest professions in the world, it changes daily to keep up with the high-tech auto industry.

Students are continuously engaged with new challenges. Each damaged vehicle requires students to create a damage repair plan using the most up-to-date estimating program. Then using state-of-the-art technology and equipment, students repair the vehicle to pre-accident condition.

Opportunities are endless in the auto collision industry. Engaging future careers could be at a large flat rate collision center as an estimator, collision technician, structural technician, painter, detailer, or even a parts room manager. Opportunities with small or family-owned companies allow you to be a diverse technician and apply many skills in one place.

## What's NEW

- CCC1 Estimating System
- Cromax EZ Refinishing Products
- Plastic Nitrogen Welder



## STUDENTS WILL:

- utilize the latest technology:
  - structural frame repairs with a Chief laser frame measuring system.
  - Cromax EZ Waterborne refinishing in a Semi-down draft paint booth.
  - damage repair analysis with CCC1 estimating system.
- develop panel replacement, alignment, and refinishing skills.
- create team building skills in a friendly shop environment.

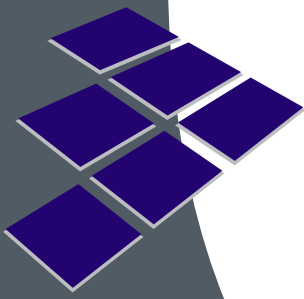
## Project based hands-on

## LEARNING SKILLS

- Intro to estimating with CCC1
- Metal Straightening
- MIG and Interference Spot Welding
- Structural panel replacement
- Waterborne Color Matching
- Frame Straightening
- Industry Standards in Panel Bonding and Seam Sealing







# AUTOMOTIVE TECHNOLOGY MLR

## What's NEW

- Hybrid/EV Training Vehicles
- Hunter Hawkeye Alignment System
- Consulab Turbo Engine Trainer
- ATech Lighting System Trainer



A career in Automotive Technology means, no stuffy offices, no long meetings - instead, you will be constantly on the move, solving problems on today's computer controlled cars.

If you love to work with your hands and solve problems for others, a career as an automotive technician can satisfy both desires. Let the Automotive Technology program at CCTE help you put your potential to work in this growing, fast-paced field.

At the Center for Career and Technical Education, you will get ready to shift into high gear with a career in the automotive industry. You will be prepared to pursue entry-level employment opportunities as an automotive technician at car dealerships, independent automotive shops, service centers, fleet maintenance departments and more!

*The Automotive Technology Program at CCTE is an ASE Accredited Training Program*

## STUDENTS WILL:

- have the opportunity to attain ASE Student Certification.
- be encouraged to participate in SkillsUSA® Competition.
- attain SP2 Safety Certification.
- earn credits toward a college degree.

## Project based hands-on LEARNING SKILLS

- Automotive electronic and electrical systems
- Fuel and emission systems
- Engines and engine performance
- Brake and suspension systems
- Manual and automatic transmissions and drive lines
- Air conditioning systems
- Diesel engines
- Hybrid and EV



# CONSTRUCTION TRADES CARPENTRY (NCCER)

Go beyond the hammer! Expand your creative mind with the latest technology and get prepared for the world of Construction Trades!

This two-year career-ready course is designed to prepare students for careers in the Carpentry Construction Trade. Carpentry offers a promising career for the individual who has an interest in and aptitude for working with tools and materials. Carpentry requires a combination of thinking and doing. Besides the construction of new buildings, he/she can handle work connected with remodeling, maintenance, and work in factories that produce prefabricated buildings.

Carpentry students learn blue-print reading, construction math, layout techniques, construction techniques and skilled use of building materials, hand and power tool safety, trim and finish work as well as introduction to basic masonry skills. During the school year, the carpentry students, together with other construction skill areas, build a home in the local community.

The top carpentry students will have the opportunity for placement into the United Brotherhood of Carpenters and Joiners of America, Eastern Atlantic States Regional Council of Carpenters Local 423 Apprenticeship program.

*Upon successful completion of the carpentry program students will receive an industry-recognized certificate and transcript from the NCCER providing portability of learned job skills and educational credits that will be tremendous value to trainees.*

## STUDENTS WILL:

- earn articulated credits towards apprenticeship with Eastern Atlantic States Regional Council of Carpenters Local 423 Apprenticeship program.
- have the opportunity to earn NCCER accreditation.
- be encouraged to participate in competitions through SkillsUSA®.
- obtain OSHA 10 Career Safe® certification.
- build a home in the local community.

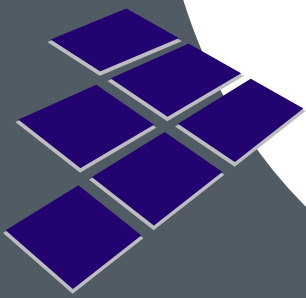
## Project based hands-on LEARNING SKILLS

- Soft Skills
- Construction Skills
- Construction Math
- Power Tool Safety/ Construction Safety
- Exposure to the Trade
- CNC Design and Milling
- Resumé & Portfolio Development

## What's NEW

- CNC Milling System
- Laser Engraving





# CAREERS IN COSMETOLOGY

## What's NEW

- Balayage + Shadow Root
- Dip Powder Nails
- Eyelash Extensions
- Gel Polish & Dip Mani



Enter Cosmetology with an open mind and a whole-hearted desire to learn - the professional career opportunities will be endless.

If you feel you have artistic flair and enjoy working with people, COSMETOLOGY could be the right career for you.

Your practice in cosmetology will open an unlimited passport to your future and a new career that will bring much happiness and financial independence.

Cosmetology is a two year program. It only takes time and determination along with artistic ability to become successful.

You will earn 1,500 hours in theory and practical training and take the state board of cosmetology exam, all before graduation. Sitting for this exam is mandatory.

So, come join the fun, at the same time obtain a career and license in cosmetology and be able to enter the real world ready to work in a job you will **LOVE!**

## STUDENTS WILL:

- upon successful completion of the exam, be a licensed Cosmetologist.
- get real world experience through salon internship opportunities.
- be encouraged to participate in state and national competitions through SkillsUSA®.



## Project based hands-on

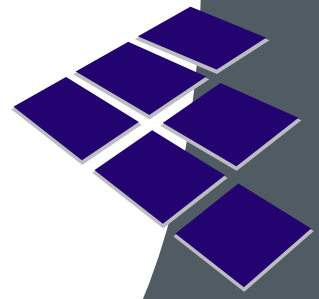
## LEARNING SKILLS

- Shampooing
- Haircutting
- Updo's & Braids
- Hair color & Highlighting
- Chemical Texture
- Hair Removal
- Manicuring & Pedicuring
- Acrylic & Gel Nails
- Eyelash Extensions
- Facials
- Facial Make-up
- Preparing for Licensure
- On the Job Training
- Salon Business





# CRIMINAL JUSTICE/ LAW ENFORCEMENT



Work as a team to learn new skills and succeed  
as you improve your body and mind!

Law Enforcement/Homeland Security Emergency Preparedness is a CTE completer program which prepares student for careers in planning, managing and providing legal, public safety, protective services and homeland security including professional and technical support services.

The program will cover the Administration of Justice I and II pathways. Students will participate in career development and work-based learning activities. Students will participate in physical training which is designed to prepare them for successful completion of the various entrance tests they will face when they apply for employment in the Law Enforcement field.

## STUDENTS WILL:

- have the opportunity to be certified in:
  - Hunter Safety
  - CPR/First Aid
  - Incident Command Systems : 100, 200, 700
- be encouraged to participate in state and national competitions through SkillsUSA®.
- participate in work based learning internships with various law enforcement and criminal justice agencies.
- earn up to 12 college credits.

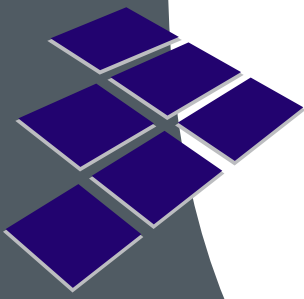
## Project based hands-on LEARNING SKILLS

- Handcuffing
- Fingerprinting
- Dusting for latent prints
- Casting of tire/shoe impressions or tool marks
- Lifting fingerprints with chemicals
- Photography
- Resume & Portfolio Development
- Laser shot firearms simulator
- Crime scene investigation techniques

## What's NEW

- Live Scan Fingerprinting
- 911 Emergency Telecomm. Simulator
- Tracked Robot Operation





# CULINARY ARTS (ACF)

Cookery is not chemistry. **It is an art.** It requires instinct and taste rather than exact measurements!

## What's NEW

- ACF Accredited Program
- NRA Certifications
- Student-operated Restaurant

Culinary Arts is a complete program that offers students an introduction into the foodservice industry. Through theory, practical and hands on learning, the program is designed to provide students with the basic skills and knowledge to prepare them for successful careers in the world of food. Students will progress through a program that includes hands-on education in food production, while developing professionalism and proficiency in cooking, baking, cost control, nutrition, sanitation and food marketing. Students in this program gain practical experience through clinical, school-based enterprises and/or work-based learning in the culinary industry.



Upon completion of the program, students will have the knowledge, professionalism, and skills to succeed in the food service industry. Whether it is to further their education, work their way through college, or go right out into the work force, students will always have the knowledge and skills of a successful profession that is growing each and every year.

*Culinary Arts has completed all necessary requirements and is certified by the American Culinary Federation Education Foundation (ACFEF) Secondary Accreditation Committee.*

## STUDENTS WILL:

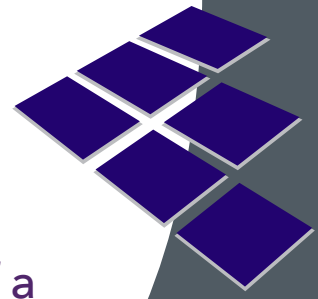
- be given the opportunity to obtain Junior Culinarian Certification through the American Culinary Federation.
- have the opportunity to obtain ServeSafe® Safe Food Handlers and/or Managers Safety certification through the National Restaurant Association (NRA).
- be encouraged to participate in state and national competitions through SkillsUSA®.
- earn credits toward a college degree.

## Project based hands-on LEARNING SKILLS

- Safety and sanitation
- Kitchen equipment identification and use
- Knife skills and cutlery
- Using standardized recipes
- Cooking methods
- Introduction to baking
- Working in a restaurant
- Culinary applications: *breakfast foods; garde manger; sandwiches, appetizers and hors d'oeuvre; fruits and vegetables; grains, legumes and pasta; stocks, sauces and soups; fish and shellfish; meat and poultry.*



# ELECTRICAL CONSTRUCTION AND MAINTENANCE



Get charged up working under the supervision of a Licensed Master Electrician while preparing to enter the electrical field as an apprentice.

This two-year college and career ready course is designed to prepare students for careers in the electrical industry. The electrical field is a \$160 BILLION Industry responsible for bringing electrical power, lighting, and communications to buildings and communities across the United States!

Students are instructed in the areas of residential, commercial, and industrial wiring. Students gain actual on-the-job experience at the CCTE student project house. This entire project is built solely by Career Center students who are enrolled in any of the construction trade programs.

*Electrical Students have the opportunity to take the International Brotherhood of Electrical Workers (IBEW) apprenticeship aptitude test. Qualifying students then take the first year of the IBEW apprenticeship program during their senior year.*

## STUDENTS WILL:

- work on the CCTE student built project house.
- be encouraged to participate in state and national competitions through SkillsUSA®.
- obtain OSHA 10 certification.
- have the opportunity to take the International Brotherhood of Electrical Workers (IBEW) apprenticeship program.

## Project based hands-on

## LEARNING SKILLS

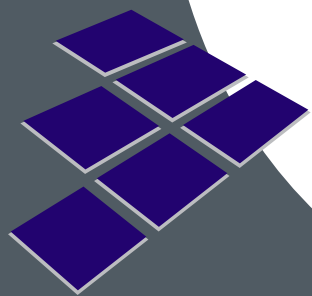
- Residential, commercial, and industrial wiring
- CCTE house project
- Habitat for humanity house project
- Motor controls
- Conduit
- Lighting
- Troubleshooting
- Power tools
- Fixture installations

## What's NEW

- Photovoltaics (Solar)
- Habitat for Humanity House
- NCCER Certification Program







# GRAPHIC COMMUNICATIONS

## What's NEW

- Wide Format Vinyl Graphics
- Laser Engraving/Cutting
- Full-Sublimation T-shirts
- Direct-to-Film Printing



Fuse your creative mind with the latest technology and get prepared for the visual world of graphics and printing!

This two-year college and career ready course is designed to prepare students for careers in the digital arts and print communications field - *one of the largest professions!*

Our students are continually experimenting with new and cutting-edge trends in the communication arts realm using our iMac computer lab and technology in the printing lab. From screen printing t-shirts to creating custom-designed game controllers, students produce a variety of conventional and digitally printed products for the school system and community.

These visual ninjas communicate through the use of images, typography, and creative composition. They shape our impressions of companies, products, information, and more. Every design starts with an idea, and every idea comes to fruition through design - **future ninjas unite here!**

*Certified by PrintED® - a national accreditation program set by the Printing and Graphics Association Mid-Atlantic (PGAMA).*

## STUDENTS WILL:

- have the opportunity to be certified in the following PrintED® programs:
  - Intro to Graphic Communications
  - Graphic Design and/or Screen Printing
- be encouraged to participate in state and national competitions through SkillsUSA®.
- obtain CareerSafe® certification.
- earn credits toward a college degree.



## Project based hands-on

## LEARNING SKILLS

- Adobe Creative Suite Software
- Conventional & Digital Printing, Binding & Finishing
- Dye-Sublimation Printing
- Large Format Printing
- Laser Engraving and Cutting
- Photography
- Screen Printing
- Vinyl Graphics
- Resumé & Portfolio Development



# CONSTRUCTION MAINTENANCE HVAC (NCCER)

Combine your problem solving skills with hands-on experience to explore the many paths available in HVAC!

Students in this program will gain the necessary technical and management skills to enter the field of Heating, Ventilation, and Air Conditioning (HVAC). The industry offers essential environmental control services for automobiles, factories, hospitals, offices, retail industry, and residential homes. HVAC offers a great variety of occupations, job security, mobility and unlimited career opportunities. There is no other industry that exceeds the constant demand for qualified, well-trained technicians. There is no limit to the amount of money the skilled technicians and sheet metal workers may earn. The effort an individual makes and the seriousness with which one approaches the study of HVAC determine how far and how quickly a person can advance in the trade.

*Successful HVAC students will have the opportunity to interview with the Plumbers and Steamfitters Union.*

## STUDENTS WILL:

- be encouraged to participate in state and national competitions through SkillsUSA®.
- have the opportunity to be nationally certified through the NCCER program.
  - Core Curriculum
  - Heating, Ventilation, Air Conditioning I
  - Heating, Ventilation, Air Conditioning II
- obtain OSHA 10 certification.
- participate in a mock interview process with local tradesmen and businesses.
- earn interview opportunities with local trade unions.
- EPA 608 Certification

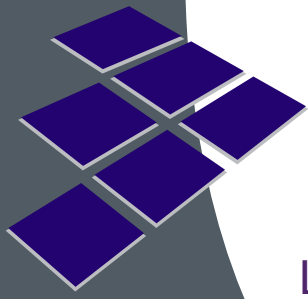
## Project based hands-on LEARNING SKILLS

- Student House Construction
- Duct System Installation
- Furnace and Air Conditioning Installation
- Plasma Cutting and Design
- Whole House Plumbing
- Resumé & Portfolio Development

## What's NEW

- CAD Plasma Cutting
- CAD Duct Systems
- VR Simulations





# INTERACTIVE MEDIA (IMP)

Learn the latest digital technology in the media industry and be prepared for a high demand career!

## What's NEW

- Adobe Creative Suite
- New Computers
- Video Equipment

Welcome to the communication age! Everyday we rely on a variety of media to both send and receive information. Television, Radio, Web Browsing, Photography and Print are all forms of media technology.

Would you like to produce and direct your own film?

Or how about design your own video game?

In Interactive Media, you will be taught all aspects of the media industry. If you like to work creatively and artistically than Interactive Media is the career choice for you.



## STUDENTS WILL:

- have the opportunity be certified in the following Adobe programs:
  - Adobe Photoshop
  - Adobe Premiere
- be encouraged to participate in regional, state, and national competitions through SkillsUSA®.
- earn credits toward a college degree at ACM.

Project based hands-on

## LEARNING SKILLS

- Audio Production
- Video Production
- Digital Photography
- Game Design
- 3D Animation
- Resumé & Portfolio Development





# MANUFACTURING ENGINEERING TECHNOLOGY CNC PROGRAMMING AND OPERATIONS

Learn the latest technology to turn your creative ideas into real products!

With the advancements in automation, 3D printing, and tooling, the manufacturing environment has seen massive growth and innovation. CNC(Computerized Numeric Control) Programming and Operations is a crucial area of study and will be for the foreseeable future.

By partnering with Allegany College of Maryland, students in this program will have the opportunity to earn 39 college credits in Automated Manufacturing Engineering, up to 13 NIMS industry credentials, and an additional credential in Fanuc Robotics. Since students will be taking 18 college and dual enrollment courses, they will be required to have and maintain a 3.0 GPA to be admitted to this CTE program. Students will receive instruction at ACM's Western Maryland Works facility that has over \$5 million invested in new equipment, including Fanuc robots used in automation and state-of-the-art 3D printers.

According to a 2018 skills gap study, manufacturing skills gap is expected to grow from about 488,000 manufacturing jobs left open today to as many as 2.4 million jobs going unfilled between this year and 2028. That is compared to 2 million jobs between 2015 and 2025 per an earlier study. The study found this workforce crisis could put at risk \$454 billion in manufacturing GDP in 2028 – or more than \$2.5 trillion over the next decade.

## STUDENTS WILL:

- learn CNC programming
- create precision parts
- Reverse-Engineer designs using AutoCAD
- Solidworks, Mastercam, and PC DMIS

## Project based hands-on

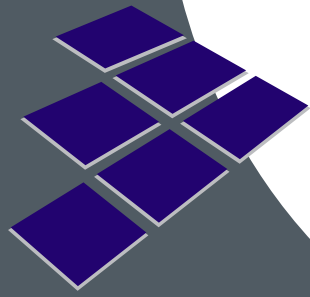
## LEARNING SKILLS

- Precision measuring tools and coordinate measuring machine manual
- Operate milling machines, engine lathes, drill presses, precision grinders, and 3D printers
- Design programs using Robotics

## What's NEW

- Up to 39 College Credits
- CNC Programming and Operations Certificate
- Metal 3D Printer
- Waterjet





# P-TECH

## Pathways in Technology Early College High

### What's NEW

- PTECH
- Larger class sizes
- Equipment

Fuse your creative mind with the latest technology and get prepared for the exciting world of Cyber Security!

**APPLICATION PROCESS FOR THIS PROGRAM IS INITIATED IN 8TH GRADE**

This two-year college and career ready course is designed to prepare students for careers in the IT and Cyber Security field - one of the largest professions in the world!

The IT Networking Academy (CISCO) is a nationally recognized program that prepares students for successful careers in information technology fields such as computer network design and administration, hardware, software and network installation, local and wide-area network (LAN/WAN) management and systems engineering.

**The program is open only to students who are currently enrolled in the P-TECH Program.** The IT Networking Academy (CISCO) prepares high school students with the professional skills they require to pursue quality academic and professional opportunities. Particular emphasis is given to using decision-making and problem-solving techniques in the application of science, mathematics, communication and social studies concepts to solve networking problems.

### STUDENTS WILL:

- have the opportunity to sit for the compia A+ certification.
- be encouraged to participate in state and national competitions through FBLA.
- earn credits toward a college degree.

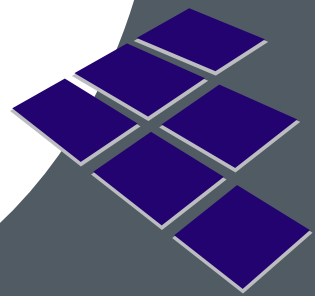
### Project based hands-on

## LEARNING SKILLS

- Software installs and configurations
- Cyber security
- Configure & maintain networks
- Installing and setup of network Printers
- High end PC build
- Windows install and configure
- Cable making and installation
- Real world IT issues at school for teachers and students
- Repair phones and tablets



# WELDING & METAL TECHNOLOGY (NCCER)



Prepare for entry-level employment and apprenticeships in the various welding industries by acquiring the essential knowledge!

This two-year program prepares students for a variety of jobs in the metal fabrication industry. The program will provide students with practical experience and instruction in the set up and use of equipment common to the trade. Emphasis is placed on safety procedures. Students will learn welding and cutting processes and the use of industrial equipment. Creative and rewarding class assignments offer practice and variety. Welding is a dynamic industry with a BIG FUTURE! This career choice is in high demand, with many opportunities.

*Our Welding course is certified by NCCER - a national accreditation program.*

## STUDENTS WILL:

- have the opportunity to earn Certification in the following NCCER programs:
  - Core Curriculum
  - Welding Level 1
- be encouraged to participate in State and National competitions through SkillsUSA®.
- obtain CareerSafe® OSHA 10 certification.
- earn a first year apprenticeship from the Pipefitters and Iron Workers Locals.
- bypass beginners course and move straight into any welding certification class at Allegany College of Maryland.



## What's NEW

- Up-to-date Equipment
- Fabrication Focus
- PlasmaCAM Program



## Project based hands-on

## LEARNING SKILLS

- Oxy-fuel and Plasma cutting
- Shielded Metal Arc Welding
- Gas Metal Arc Welding & Aluminum spool gun
- Gas Tungsten Arc Welding
- Flux-Core Arc Welding
- Several fun, no cost, take home projects/decorations
- Layout, symbols, construction math and blueprint reading
- Tours of Local shops and businesses
- Resumé & Portfolio Development





# CCTE ADMISSION REQUIREMENTS

2024-2025



1. Students enrolled in the Allegany County School System who have successfully completed the ninth and tenth grades are eligible to attend CCTE.
2. Students in the Allegany County School System who have successfully completed the eleventh grade and who only need English IV and Math to graduate may be eligible to attend CCTE in the senior option program. Students should have an understanding of their interests, abilities, and achievements in relation to their chosen career program.

Students enrolling at the Career Center must have a minimum of 12 credits including the following in order to assure admission:

- English I
- English II
- Physical Education
- Government
- US History
- Biology
- One Additional Science Credit
- Algebra I
- One Additional Math Credit
- Fine Arts
- Personal Finance\*
- Health\*
- Technology Education\*

*\*A section of Personal Finance, Health, and/or Foundation of Technology or a course equivalent may be available as schedules permit, but these courses should be completed in grades 9 or 10 to ensure admission to CCTE or in certain programs.*

**Behavior:** Students enrolling at CCTE with 4 or more accumulated suspensions since grade 9 will be required to schedule a parent/guardian conference with the Principal prior to attending classes.

**Attendance:** Students enrolling at CCTE with less than 93% attendance in grade 10 will be required to schedule parent/guardian conference with the Principal prior to attending classes.

**Application Deadline: March 1, 2024.** All applications for admission to CCTE will be reviewed to determine if entry requirements have been met. Letters of acceptance or rejection will be mailed beginning the week of May 20.

## SENIOR OPTION REQUIREMENTS

New seniors must have a 2.5 GPA and have met all academic and testing requirements for graduation with the exception of the following:

- English IV
- Math

*Due to limited course offerings not all math courses may be offered when senior options students may need them. Therefore, acceptance of senior options students will be based on scheduling availability.*

# CCTE ACADEMIC EXCELLENCE

## COURSES OFFERED\*

Algebra II  
Anatomy & Physiology I & II  
AP Environmental Science  
AP Language  
AP Literature  
AP Psychology  
AP U.S. History  
Calculus  
College Biology  
College Computer Literacy  
College Computer Logic

College Psychology  
College Sociology  
College Speech  
Criminal Justice  
Contemporary World Issues  
Elements of Math  
English III & IV  
Environmental Science  
Geometry  
Journalism  
Leadership

CCTE's academic curriculum is equivalent to courses offered at the county high schools.

Solar Power  
Trigonometry  
Web Design I & II  
Weight Training / Fitness Elective  
World History

*\* Based on student course requests*

## CCTE OPPORTUNITIES

### Professional Development Skills:

- Portfolio
- Resumé
- PowerPoint
- Interview Skills

### A+ Certification CISCO Certification

CCTE's programs offer unique opportunities for students.

### Work-based Learning Activities:

- Job Shadowing
- Internships
- Capstone Experience



## CCTE ORGANIZATIONS

### Envirothon Team

FBLA

FCA

Mindful Meditation

National Technical Honor Society

Newspaper

### Project Y.E.S.

S.H.O.P.

SkillsUSA

Student Council

Upward Bound

Yearbook

CCTE is home to many student clubs, groups and organizations.



# CCTE APPRENTICESHIPS

The listed CCTE skill areas have agreements with local unions to award hours toward first year apprenticeship programs.



Carpentry  
Electrical  
HVAC  
Industrial  
Manufacturing  
Welding

**Mid-Atlantic Regional Council of Carpenters Local 423**  
**Electrical Union Local 307**  
**Plumbers & Steamfitters Union Local 489**  
**Mid-Atlantic Regional Council of Carpenters Local 423**  
**Plumbers & Steamfitters Union Local 489**  
**Ironworkers Union Local 568**

# CCTE ARTICULATIONS

The listed CCTE skill areas have articulation agreements with the listed college/universities.

Academy of Health  
Professions  
Auto Collision  
Auto Technology

**ACM, CCBC, Stevenson University**  
**Penn State, CCBC, UTI**  
**ACM, CCBC, UTI, Penn College,**  
**University of Northwestern Ohio**  
**ACM, Stratford**  
**UMBC, Fairmont, UMES**  
**ACM, Bridge Valley CTC**

Culinary Arts  
Engineering Technology  
Graphic Communications  
Interactive Media  
Production  
IT Networking  
Law Enforcement

**ACM**  
**ACM, Anne Arundel CC, Harford**  
**ACM, UMUC, Potomac State, Frederick CC**





# BEYOND CCTE

Students attending CCTE usually find it possible to continue participating in athletics and extra-curricular activities at their home school. In addition, opportunities exist at CCTE to participate in activities like an elective Physical Education credit and weight training.

ACPS and CCTE encourages students to be part of home school athletics while enrolled at CCTE. Faculty and staff will collaborate with home school staff on attendance, discipline and announcements from coaches and advisors to maintain successful involvement.



*Printing and design by CCTE Graphic Communications*



## **CENTER FOR CAREER AND TECHNICAL EDUCATION**

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