

BIOLOGICAL SCIENCE ~ CONSTRUCTION TECHNOLOGY ~ COMPUTER SCIENCE ~

GCIT

2026-2027

Career Program Guide



COSMETOLOGY ~ CRIMINAL JUSTICE ~ CULINARY ARTS ~ DIGITAL MEDIA ~ EDUCATION ~ ENGINEERING ~

FINANCE & BUSINESS MANAGEMENT ~ HEALTH SCIENCES ~ PERFORMING ARTS

ADVANCED MANUFACTURING & APPLIED SCIENCE ~ AUTOMOTIVE ~ BAKING & PASTRY ARTS ~

Course Levels

- College Prep (CP): Builds strong foundational skills; standard pace; prepares for entry-level college courses.
 - Honors: More challenging and faster paced; deeper critical thinking; weighted GPA credit may apply.
 - College-Level (Dual Enrollment): Mirrors college rigor; potential to earn college credit; highly valued by colleges.
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Weighted vs. Unweighted GPA

- Unweighted: All courses use standard 4.0 scale (A = 4.0). GPA is reported on a 100 scale.
 - Weighted: Honors courses can increase GPA (A = 5.0 or higher) to reward rigor. GPA is reported on a 100 scale.
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SAT vs. PSAT

- PSAT: Practice SAT, usually taken in 10th or 11th grade; qualifies for National Merit; not sent to colleges.
 - SAT: Standardized test for college admissions; taken in 11th or 12th grade; measures reading, writing, and math skills.
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Child Study Team & Guidance

- Child Study Team (CST): Evaluates and supports students with learning needs; develops IEPs and recommends services.
 - Guidance: Supports all students with academics, social-emotional growth, and future academic career/college planning.
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Senior Option

- Provides flexibility for seniors who meet graduation requirements.
 - Options include externships, internships, work-based learning experiences, or college courses.
 - Prepares students for the transition to college or career.
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Career-Endorsed Diploma

- Awarded to students who complete graduation requirements plus career-focused coursework, certifications, or work-based learning.
 - Demonstrates readiness for both college and career pathways.
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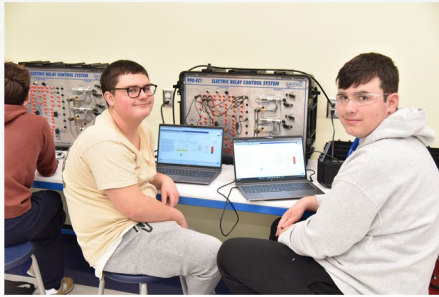
Tip for Students & Parents

- Ask your school counselor about which courses and programs best fit your college, career, and personal goals.

ADVANCED MANUFACTURING & APPLIED SCIENCE

OVERVIEW

GCIT's Advanced Manufacturing & Applied Science Academy offers a hybrid of computer science, engineering, digital design, and logistics for students who enjoy creating and managing advanced technical systems.



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GCIT's Advanced Manufacturing & Applied Science Academy offers a hybrid of computer science, engineering, digital design, and logistics for students who enjoy creating and managing advanced technical systems. This Academy is for students interested in innovation, automation, robotics, 3D Modelling/3D Printing, IoT (Internet of Things), and 21st century manufacturing technologies. Students will gain skills in areas such as mechanical systems, electronics, CNC Machining, data analytics, and supply chain concepts. Industry 4.0 requires high-tech skills to serve an evolving industry.

Students will earn college credit and industry credentials such as: Smart Automation Certification Alliance (SACA), OSHA-10.

This Academy will be using the IGNITE curriculum, which includes the following student goals:

- *Inspiration: Inspire today's students to consider a rewarding career in advanced manufacturing*
- *College Credit: Get a jumpstart on post-secondary education by earning college credits*
- *Career Exploration: Explore jobs from product design to product fabrication and everything in between*
- *Industry-Recognized Certifications: Aligns with industry-recognized 3rd party occupational certifications, including SACA and SolidWorks*
- *Preparation for Smart Factories: Preparation for Smart Factory technology, including Industry 4.0 & IIoT*

COURSE INFORMATION

Required Courses:

- *Introduction to Advanced Manufacturing*
- *Mechatronic Systems*
- *Advanced Materials, Designs; IIoT, Data Analytics & Networking*

College Level Electives:

- *Introduction to PLC*
- *Advanced PLCs*
- *CADD 1*

AUTOMOTIVE TECHNOLOGY

OVERVIEW

Students in the Automotive Technology program work 2 hours a day completing hands on work to learn skills for their five ASE-Automotive Service Excellence certifications.



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Students in the Academy of Automotive Technology spend two hours every school day working on their automotive career. The program maintains affiliations and associations with the nationally recognized ASE (Automotive Service Excellence) Education Foundation to ensure optimum opportunity for students. All shops are stocked with updated tools and equipment used in current dealerships and service centers. Program instructors are ASE accredited to ensure students have opportunity to succeed in an automotive field. The Automotive Program is guided by an Advisory Committee comprised of multiple local automotive professionals and business leaders from our area.

Qualified students will have the opportunity to earn college credit through the Ford ASSET program from Rowan College in their senior year. Colleges including Rowan College of South Jersey, Camden County College, and Pennsylvania College of Technology have articulation agreements with our program. Our new Electric and Hybrid Vehicle training curriculum gives students additional opportunities to advance in an automotive career.

Our automotive students have consistently placed at the top in SkillsUSA competitions, UTI's (Universal Technical Institute) Top Tech Challenge and the Automotive Dealers Association competitions. Students are prepared to achieve multiple ASE certifications, giving them a head start in their automotive career. With the quality of our past graduates and GCIT's strong School-to-Careers department, students are afforded ample work-based learning opportunities in their senior year with local automotive businesses.



BAKING AND PASTRY ARTS

OVERVIEW

Students in the Baking and Pastry Arts program gain real world experience each day by producing creative baked good for the Fresh Start Bakery and Cheetah Café.



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Students in the Baking and Pastry Arts Program begin their day with learning theory behind the art of baking. Note-taking, worksheets, demonstrative videos, culinary math, and homework are all a part of this program to ensure our students are well-informed about the functions of the ingredients and techniques they will use daily during shop time. When classroom instruction concludes, students head to the shop to begin the hands-on portion of class. GCIT recognizes the significance of real-life experience in getting our students employed, and it is a focal point in our program. They will also graduate with multiple certifications, such as ServSafe and OSHA-10, making our students highly valuable in the industry.

Freshman year, safety and sanitation, ingredient function, and mixing methods are emphasized to build a solid foundation of fundamental theories. The hands-on part of their class revolves around the unit they are working on. The units covered in this course are the history of the baking profession, knife skills, cookies, and quick breads.

Sophomores, the hands-on portion is all about large-scale commercial type production. Students work in groups that rotate stations around the bakeshop to ensure they learn the importance of each position and work with others.

Students complete a variety of bake shop tasks daily, from mixing formulas to laying out batters and doughs to frying donuts, decorating cakes, and more to fill our school store, as well as holiday orders. Job sheets are used to ensure setup and clean-up tasks are completed daily, much like an actual employee in a bakery. This is their first taste of the real industry

Junior year students are focusing on honing their skills and are afforded time to concentrate on particular interest areas. The units covered in this course are frozen and fruit desserts, chocolates, sugar techniques, syrups and sauces, and dessert presentation.

Senior year students return to the commercial bakeshop. The year starts with a focus on cake mixing and baking, icing types, and decorating cakes. We will then shift to rich dough, laminated doughs, and pastries such as cream puffs and eclairs. As well as large production for our school bakery, Thanksgiving, Christmas, and Easter sales yearly.

GCIT has chapters in both FCCLA and Skills USA that allow our students to compete on a state and national level. They will have many opportunities within these organizations to not only grow as young adults but also earn scholarships to various schools. GCIT has articulation agreements with Atlantic Cape Community College and the Restaurant School at Walnut Hill and regularly hosts demonstrations from the Culinary Institute of America and Johnson and Wales University. Students leave with a solid foundation to build their career on; they can easily enter industry, attend college, with a head start, pursue food science or nutrition; the options are truly limitless.

BIOLOGICAL SCIENCES

OVERVIEW

The Academy of Biological Sciences offers students a comprehensive, academically rigorous high school experience with a focus on the biological sciences.



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The Academy of Biological Sciences offers motivated students an academically rigorous and highly rewarding high school experience focused on the life sciences in the context of laboratory investigations and applied medical techniques. Starting freshman year, students are immersed in hands-on learning that goes far beyond a traditional classroom. Our program is designed to inspire curiosity, build confidence, and provide the best possible preparation for success in college and in future careers.

Through a one-of-a-kind partnership with Rowan College of South Jersey (RCSJ), Rowan University, the Rowan School of Medicine, Cooper Health Systems, and the Inspira Health System, our students enjoy opportunities that no other high school program in the country can provide. Whether it is earning industry-recognized biological lab certifications, conducting original research, or connecting with university professors and scientists, students gain experiences that truly set them apart. By the time they graduate, Academy students can earn between thirty and sixty college credits: enough to complete an associate degree through RCSJ while still in high school. This gives our graduates an incredible head start as they enter college, saving both time and tuition costs while boosting their academic confidence.

Students grow academically and personally as they progress through the program. Freshman year introduces them to laboratory research methods and problem-solving in applied scientific settings. They may find themselves investigating a simulated crime scene, analyzing genetic fingerprints, or stabilizing trauma patients; projects that make science come alive. Sophomore year deepens this foundation with the study of cell structure and physiology, alongside innovative experiences such as robotic and laparoscopic surgery simulations or prosthetic design challenges. In their junior year, students take on the exciting responsibility of creating their own research projects from start to finish, mirroring the work of professional scientists with the chance to submit their work to research journals for publication. By senior year, students expand their horizons even further by taking college-level biology courses on the RCSJ campus, exploring specialized fields that match their interests and career goals.

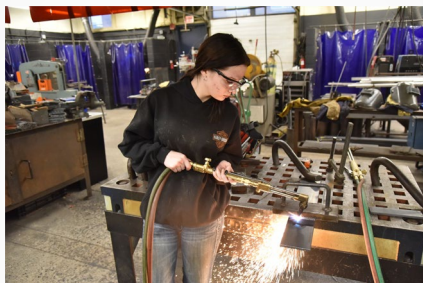
Leadership and independence are also important hallmarks of the Academy. Upperclassmen have the opportunity to serve as teaching assistants, mentoring younger students and supporting faculty in laboratory classes. In addition, students may pursue independent research under the guidance of our biological sciences faculty, gaining valuable experience that prepares them for advanced study and professional opportunities. These roles not only strengthen academic skills but also build maturity, confidence, and collaboration—traits highly valued by college professors and employers.

Graduates of the Academy of Biological Sciences are exceptionally well prepared for the future. In addition to building a strong understanding of biology, they graduate with the discipline, critical thinking, and real-world experience that colleges and employers value most. For parents, the Academy represents more than an advanced academic program—it is a chance for their children to challenge themselves, discover what excites them, and begin building pathways toward careers in medicine, research, and the wider world of the biological sciences while giving their students a chance to start their college career under the guidance of our faculty.

CONSTRUCTION TECHNOLOGY

OVERVIEW

Students in the Construction Technology Program will choose to study one of the critical areas of Carpentry, Plumbing and Pipefitting, HVAC/R, Electrical or Welding. Students in the program learn the latest skills in the trade using 21st century equipment. All students become OSHA-10 certified.



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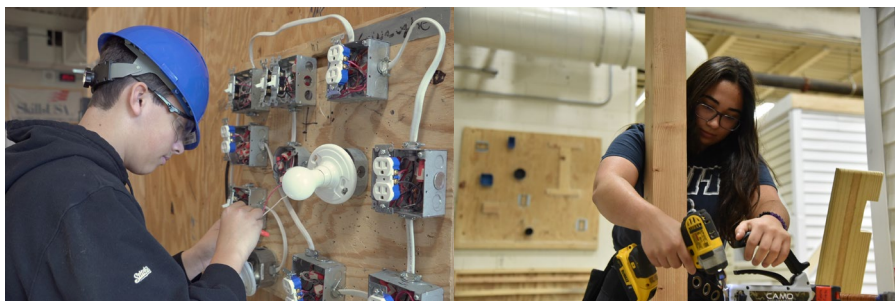
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CARPENTRY SPECIALIZATION

This course of study is designed to give students the opportunity to achieve the skills needed to perform the duties of an entry-level worker in Carpentry. As freshman, students learn the following basic skills: shop and job safety, measurement skills, math skills, hand tool skills, portable power tool skills, and stationary power tool skills. Students will learn through daily hands-on experience.

In sophomore, junior and senior years, students will progress in realistic shop experience and will continue to add new areas of skill. Units of study will review previous topics and will expand into new areas such as shop awareness, career awareness, job safety, materials of construction, residential and commercial construction, blueprint reading, estimation, scaffolding and ladders, leveling instruments and site work. The student will gain these skills through daily hands-on experience in a well-equipped shop setting. Safety is stressed in every phase of the program. This approach leads to the development of a strong foundation from which the student can successfully enter the construction industry. Each year students can earn career essential certificates, which will help them transition into an apprenticeship program after graduation. This includes the OSHA10 Certification.



ELECTRICAL SPECIALIZATION

Freshman students will complete 12 learning modules during the course of the school year. These modules will include Electron Theory, Ohms Law, series, parallel, and combination circuits. They will also include understanding and reading blueprints, basic applied skills and familiarization with the National Electrical Code. While working with various circuits, the student will learn to work safely around electricity and to use the proper tools for construction wiring.

Sophomore, junior & senior students will complete 11 modules of instruction during the course of the school year. These modules include AC theory, motor theory, conduit bending, grounding & bonding, and circuit breaker/fuse systems. Students will also learn residential and commercial wiring, and how to navigate construction site hazards and conditions.

CONSTRUCTION TECHNOLOGY

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HEATING, VENTILATION & AIR CONDITIONING / REFRIGERATION SPECIALIZATION

This HVAC/R course involves equipment used for heating, cooling, and cleaning indoor air and equipment for preserving food and other perishable products. It covers furnaces and air conditioners used in homes and businesses and the equipment used in retail, commercial, and industrial enterprises to preserve and pack food and other perishables.

Students will learn the proper use of the tools and instruments of the HVAC/R industry. Lessons on how to service and install HVAC/R equipment to industry standards through classroom instruction and hands-on labs.

Freshmen students will learn the fundamentals of HVAC/R, which includes on-the-job safety, various piping techniques and fabrication, basic electrical theory, and various piping techniques and fabrication. Sophomore students will learn refrigerant handling, recovery of refrigerants, and the refrigeration cycle and controls. Students will also do the OSHA 10 training and certification test. Junior and Senior students will cover fossil fuel heating equipment and air conditioning systems, including certification training for Omega Flex CSST gas piping. This course will also cover psychometrics, airflow testing, system charging, HVAC/R troubleshooting, and sheet metal fabrication. Students will also receive their EPA section 608 training and Universal certification.

Because of the widespread use of HVAC/R equipment, there are many career opportunities. Available jobs include small local firms, commercial and industrial companies, and businesses that manufacture HVAC/R equipment. Individuals employed in this industry will be expected to have the prerequisite knowledge, attitude, skill, and habits required to perform routine, repetitive, procedure-driven tasks involving motor skills and limited theoretical knowledge while working under close supervision.



CONSTRUCTION TECHNOLOGY

PLUMBING SPECIALIZATION

Forget boring lectures. This is where you learn real skills, use real tools, and get ready for a real career, one that's always in demand. Whether you want to fix stuff, build stuff, or eventually run your own business, Plumbing & Pipefitting puts the power (and the pipes) in your hands.

Freshmen: Welcome to the Crew

- *Learn to use torches, cutters, and tools of the trade
- *Work with real pipes, fittings, and fixtures
- *No classroom boredom—just hands-on action

Junior: Systems, Safety & Smarts

- *Learn gas fitting, backflow prevention & water heater installs
- *Practice diagnosing & fixing real-world problems

Sophomore: Skills Mode Activated

- *Learn about water supply, drainage, and venting systems
- *Get your hands dirty (in a good way)
- *Work with copper, PVC, PEX, and more

Senior: Future Boss Mode

- *Take on leadership roles and manage job sites
- *Learn estimating, planning, and project management



WELDING SPECIALIZATION

Freshman specializing in welding will be introduced to basic principles and oxy-fuel safety. Students will learn the basic concepts of the Shielded Metal Arc Welding process, including machine set-up, electrode classifications, and fillet welds in the flat and horizontal positions. Students will learn how to assemble an oxy-fuel cutting station and learn how to cut a mild steel plate safely and properly

As students progress to become an entry-level welder, they will be able to accomplish common work assignments, interpret drawing and welding symbols, set up shielded metal arc welding operations, set up and perform manual oxy-fuel gas cutting operations, remove metal using the air carbon arc cutting process, and visually examine all personal welding and cutting assignments for unfavorable weld and cut edge surfaces. Students will be expected to have a prerequisite amount of knowledge, attitude, skills and habits required to perform procedures that involve routine, predictable, repetitive, proceduralized tasks involving motor skills and limited theoretical knowledge, while working under close supervision.

COMPUTER SCIENCE

OVERVIEW

The Academy of Computer Science prepares students for certifications including CompTIA ITF+ (IT Fundamentals), CompTIA A+ (IT Essentials), CompTIA Network+ (Networking Essentials), and CompTIA Security+.



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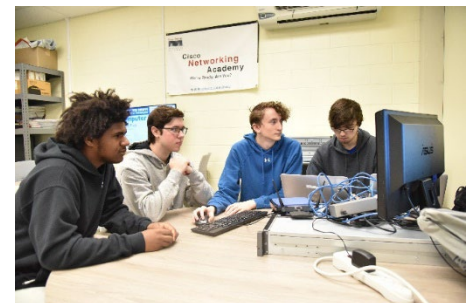
The Academy of Computer Science prepares students for certifications including CompTIA Tech+ (IT Fundamentals), CompTIA A+ (IT Essentials), CompTIA Network+ (Networking Essentials), and CompTIA Security+. These certifications are excellent additions to a student's resume, validate understanding of the most common technologies, and certifies students have the necessary skills to succeed. GCIT's goal is to prepare students for college or for a career in Computer Science. Courses cover a variety of specializations and will help prepare students for any college major or career in Computer Science or Digital Communications. Graduates of our program have majored in: Computer Science, Computer Programming, Video Game Design & Programming, Management Information System, Electrical and Computer Information Technology, Computer and Digital Forensics, and many more.

The Academy of Computer Science works with HP desktops and laptops. Students will become familiar with computer hardware and learn how to disassemble and repair them. Students will also work with Python coding, learn how to write programming, and work hands on with firewalls, switches, and routers.

Computer Science students can begin a school-to-work option the summer before their senior year in GCIT's Information Technology Department. It is a paid internship, which gives them real world experience. Students may be given the option to continue the paid internship during their senior year. Upon graduating from The Academy of Computer Science, students are on track to become Computer Science professionals and take on jobs in cybersecurity and help desk roles.

Course Offerings:

- IT Fundamentals
- Microsoft Office & Digital Literacy
- Introduction to Cyber security
- IT Essentials
- Networking Essentials
- Fundamentals of Programming
- Security +



Academy Affiliations

- | | |
|---------------------------|-----------------------------------|
| • Champlain College | Rochester Institute of Technology |
| • DeVry University | Rowan College of South Jersey |
| • Drexel University | Rowan University |
| • Full Sail University | Rutgers University |
| • George Mason University | Temple University |
| • George Washington U. | Widener University |

COSMETOLOGY

OVERVIEW

GCIT's Cosmetology program offers our students the opportunity to study for a range of careers in the cosmetology profession including hairstylist, nail technician, and esthetician. During their four years of study, students will learn all critical areas of the cosmetology field.



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GCIT's Cosmetology program offers our students the opportunity to study for a range of careers in the cosmetology profession including hairstylist, nail technician, and esthetician. During their four years of study, students will learn all critical areas of the cosmetology field.

Students in the Cosmetology program spend two hours of their day concentrating on their career theme. Students receive their clinical experience in the GCIT campus hair salon, which is located in the 100 wing of GCIT.

GCIT has formed a partnership with the prestigious Goldwell Company, which allows our students to benefit from highly respected Goldwell training programs. Students will work with professional grade product lines including but not limited to KMS and CHI.

GCIT has formed partnerships with area businesses who lend expert guidance and afford employment opportunities to our students.

According to the New Jersey Department of Labor and Workforce Development, by the year 2032 there will be 15% growth in the Cosmetology Industry. They estimate 4,510 new jobs annually.

In 2025, GCIT students competed and won Gold Medals in the Cosmetology Advanced Competition (students with more than 600 hours of training) and Cosmetology Novice Competition (students with less than 600 hours of training). GCIT has been the SkillsUSA State Champion in Advanced Cosmetology for the last 4 years.

The Cosmetology Department is involved with many Service Learning projects such as Love Our Vets, Out of the Darkness Walk, Ronald McDonald House Toy Drive, and the Cosmetology Fashion Show.

In the Academy of Cosmetology, with good attendance students can reach up to 1,250 hours of study. The State Board requires 1,000 hours (500 hours of theory and 500 hours of hands-on experience). After reaching 600 hours of study, students receive a permit to work on clients in our school salon or in any professional salon. At the end of their senior year, students have not only earned their high school diplomas; they will have tested and upon successful completion, earned their NJ Cosmetology license, Hair Extension Certification and OSHA 10 Certification.

CAREERS FOR COSMETOLOGY STUDENTS

- | | |
|------------------------------------|-----------------------------|
| • Barber | Nail Technician |
| • Braiding Specialist | Professional Stylist |
| • Esthetician | Receptionist |
| • Hair Colorist | Salon Manager |
| • Hair Extension Specialist | Salon Owner |
| • Make-up Artist | Spa Assistant |

CRIMINAL JUSTICE

OVERVIEW

GCIT's Criminal Justice is a four-year multi-level program designed for students interested in pursuing careers in the Public Safety areas of law enforcement, criminal investigation, corrections, forensics, emergency medicine, emergency management, loss prevention, private security and other legal careers.

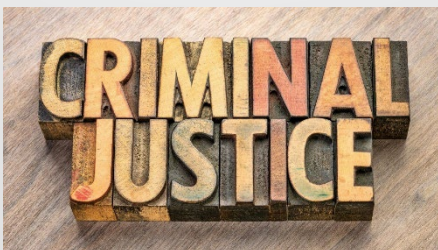
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The program is divided into specific units and is organized to provide a logical approach to understanding the complete operation of the criminal justice system and public safety organizations in the United States. This course provides an overview of the entire criminal justice system's response to crime, from the commission of the crime, the law enforcement response, the administration (courts and prosecution), to corrections.

Graduates of the Criminal Justice program will possess the skills, competencies and certifications required for certain entry level work, as well as a solid foundation for pursuing a post-secondary education. As this is a brand-new program at GCIT, an articulation agreement is currently being created with Rowan College of Gloucester County (RCSJ) with additional post-secondary educational institutions being considered.

A program that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, weapon and equipment operation and maintenance, report preparation and other routine law enforcement responsibilities including legal careers.

This program presents a broad overview of criminal justice, public safety, and security beginning with the historic context and legal constitutional foundations and working towards modern applications and issues. Major areas of study include:

- Criminal Justice
- Public Safety (law enforcement, fire, emergency medical services, and emergency management)
- Corrections
- Private Security
- Criminal Investigation
- Forensic Science
- Homeland Security
- Web Security and Computer Forensics
- Legal Careers (such as pre-law)

The Criminal Justice program provides hands-on experience through lab work and field experiences. Students will be evaluated on the basis of practical performance, behavior, and examinations that are both written and oral.

CULINARY ARTS

OVERVIEW

Students in the Culinary Arts Program learn the latest trends in food service and hospitality industry in our state-of-the-art kitchens. All students sit for their ServeSafe certification exam, so they are ready for an exciting career right out of high school!



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The Culinary Arts program provides students with a wide range of academic opportunities, including college preparatory, honors, and concurrent college/high school courses. The program is designed to prepare students for both post-secondary education and careers in the culinary field. Students spend two hours each day focused on their chosen career theme, gaining hands-on experience in essential areas of the culinary profession.

Culinary arts, like any academic discipline, require students to master fundamentals, study diligently, and practice consistently to refine their skills. At GCIT, our highly qualified instructors—certified educators as well as experienced culinary professionals—utilize state-of-the-art classrooms and equipment to deliver an exceptional learning experience.

Students participate in daily formal instruction, which includes culinary theory, note-taking, homework, tests, videos, demonstrations, and projects. Beyond learning recipes and techniques, students gain a comprehensive understanding of kitchen management, including menu creation and costing, inventory management, ordering, and food safety.

Instruction is divided between classroom-based theory and hands-on practice in the kitchen. Students begin with foundational topics such as food safety and sanitation, product identification, smallwares and equipment, knife skills, and recipe reading. As they progress, they advance to breakfast cookery, sandwiches, salads, soups, stocks, sauces, and meat, poultry, and seafood fabrication, among other specialties. Practical training also includes working in student-operated kitchens and cafés that serve GCIT staff and administration, providing real-world culinary experience.

Students have opportunities to participate in student-led organizations such as FCCLA and SkillsUSA. These organizations allow them to sharpen their skills, engage in school-wide service projects, and compete in culinary competitions. Graduates also earn the nationally recognized ServSafe certification, which can be transferred to colleges and employers across the industry.

The Culinary Arts program follows the ProStart Curriculum, a nationally endorsed program from the National Restaurant Association. Many graduates continue their education at prestigious institutions, including the Culinary Institute of America, Johnson & Wales University, Atlantic Cape Community College, The Restaurant School at Walnut Hill, Stockton University, and other top colleges and universities.

Graduates of the Culinary Arts program have pursued diverse and rewarding careers, becoming business owners, executive chefs, dietitians, food scientists, and wine and culinary specialists, while others have advanced within renowned restaurants worldwide.

Graduates of the Academy of Culinary Arts go on to achieve amazing success, becoming executive chefs, business owners, food scientists, registered dietitians, and culinary leaders in world-class restaurants around the globe.

DIGITAL MEDIA

OVERVIEW

Students in the Academy of Digital Media will have the opportunity to learn and apply graphic arts and video production skills.



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The **Digital Media Academy** offers students hands-on experience in **graphic arts** and **video production**, preparing them for real-world careers in creative industries. Through a wide range of engaging projects, students learn to design brochures and artwork, direct and edit videos, illustrate animated characters, and create unique works like notebook covers, comic books, and product packaging.

Additional Creative Opportunities Include:

- Illustrate and animate characters based on students' likenesses
- Filming, directing, and editing original videos
- Composing, shooting and editing Digital Photography
- Comic book storyboard, design and layout

Collaborative & Real-World Experiences

Students regularly collaborate with school clubs, internal academies, and outside businesses. Featured projects include:

- Gloucester County Highway Safety Task Force “Drive to Stay Alive” PSA Contest
- The 10-Day Film Challenge
- SkillsUSA Digital Media Skills Contests (State & National Levels)
- Branding Project with a Philadelphia Graphic Design Firm
- Spanish Language Cross-Curricular Design
- Commercial Co-Ops with Drama & Business Academies

Certifications & Career Readiness

Students are prepared to earn **Adobe Certified Associate** credentials in:

- | | |
|---------------------|--------------------|
| • Adobe Photoshop | Adobe InDesign |
| • Adobe Illustrator | Adobe Premiere Pro |

These certifications validate the technical skills sought by both employers and higher education institutions.

Internships & Career Pathways

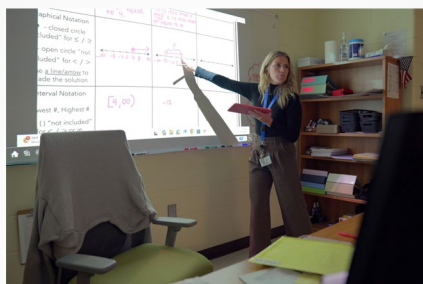
All students have the opportunity to participate in internships aligned with their interests in digital media. Graduates have gone on to pursue degrees and careers in:

- | | |
|-----------------------------------|-------------------|
| • Graphic Design | Communications |
| • Video Game Design & Programming | Digital Forensics |
| • Web Design & Development | And more! |

EDUCATIONAL STUDIES

OVERVIEW

GCIT's Academy of Education Studies is a four-year multi-level program designed for students interested in pursuing careers in Early Childhood Education, Elementary Education, or Secondary Education. Additional course and Work Based Learning opportunities may be available to enhance learning experiences with Special Education as well.



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Students will have on-site laboratory experience in our partnering school district as well as field experiences in elementary and secondary classrooms. Laboratory and classroom experiences will focus on childhood development, health, nutrition and safety, lesson planning, preparing the classroom learning environment, and career preparation in the education field. Students will prepare a professional portfolio of resources to be used both on the job and as an aid in further education and training.

PROGRAM OUTCOMES

Graduates of the Academy of Education Studies will possess the skills and competencies required for entry level employment as well as a foundation for pursuing post-secondary education. Upon completion of the 4-year program, students will have achieved the requirements to apply for and take the test for the CDA (Child Development Associate, a National Credentialing Program), PRAXIS I: General Content Knowledge, as well as American Red Cross Adult and Infant CPR Certification, Microsoft Office certified credentials and OSHA-10 Certification.

INDUSTRY VALUED CREDENTIALS

- CDA – Child Development Associate
- American Red Cross Adult and Infant CPR Certification
- OSHA 10 Certification
- PRAXIS I: General Content Knowledge

POST SECONDARY ARTICULATIONS

- Rowan College South Jersey
- Rowan University

WORK BASED LEARNING OPPORTUNITIES

- Teaching Assistant opportunities
- Job shadowing in partnering school districts (multiple grade levels)
- Job placement (senior year option only)
- Dual credit college courses through Rowan College Prep

Course of Study

Freshman – Grade 9

Introduction to the Teaching Profession

Junior – Grade 11

Tomorrows Teachers

College Level Child Psychology

Sophomore – Grade 10

College Level Educational Technology

College Level History of American Education

College Level Effective Speech

Senior – Grade 12

Work Based Learning Experiences

Internship

ENGINEERING

OVERVIEW

The Academy of Engineering offers students a comprehensive high school experience with a focus on science, mathematics and technology. Students experience many work-based learning activities to help them focus on a specific career pathway for life after high school.



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The Academy of Engineering offers students a comprehensive college preparatory high school experience with a focus on engineering, mathematics, and science. The Academy is partnered with Rowan College of South Jersey, Project Lead the Way, and Paxton Patterson to provide this nationally recognized STEM curriculum.

The Academy's Advisory Committee is made up of specialists from the business community, engineers, and other professionals from higher education. Companies such as Lockheed Martin and Inductotherm have partnered with GCIT throughout the Academy's inception.

Students in the Engineering Academy have the opportunity to take their skills to the next level with SkillsUSA. Our students compete in manufacturing, robotics, mechatronics, engineering design, and many other fields where they have become state and national champions in their field.

The Engineering Academy emphasizes subjects of importance to those who plan for a future in engineering, mathematics, or science career fields in addition to any student planning for college. Academy of Engineering graduates have been accepted at many prominent colleges and universities.

Throughout the Engineering curriculum students receive hands-on experience in areas such as:

- Architectural Design
- Civil Engineering
- Electrical Engineering
- Engineering Design
- Environmental Technology
- Manufacturing Technology
- Mechanical Engineering
- Robotics and Automation

Course Offerings

- Introduction to Engineering
- Microsoft Office & Digital Literacy
- College Level Engineering Clinic I
- Engineering Technology
- College Level Digital Electronics for Engineers
- College Level 3D Modeling – CADD
- College Level Engineering Clinic II

FINANCE AND BUSINESS MANAGEMENT

OVERVIEW

The Academy of Finance and Business Management prepares students for higher education in a wide array of majors in the financial services, marketing, accounting and business management industry.



The Academy of Finance and Business Management is a program that prepares students for higher education in a wide array of majors in the financial services, marketing, and accounting fields.

Critical coursework prepares students for the rigors of higher education; many of the courses are dual credited through a Pathway Partnership with Rowan College of South Jersey (RCSJ). National, state, and local recognition through student clubs and organizations enhances our graduates' portfolios and offers realistic exposure to the world of finance.

Academy students have an opportunity to experience an internship with a business specializing in an area related to their career theme. Companies that have partnered with GCIT include:

Parke Bank
BB&T Bank
Wells Fargo
Lincoln Financial
Elm Street Investments
Mark Insurance

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The Academy emphasizes both technical and soft skills, including the ability to communicate effectively, solve problems, and work as team members.

The Academy has its own Advisory Committee, which is made up of professionals, educators and businesses in the area of Finance, Business and Marketing.

Course Offerings:

- Applied Finance
- Introduction to Financial Services
- Microsoft Office and Digital Literacy
- College Economics
- College Principles of Management
- College Principles of Marketing
- College Business Law
- College Accounting I
- College Accounting II
- Business Capstone

HEALTH SCIENCE

OVERVIEW

In Academy of Health Science, students learn imperative skills that will assist them in planning for a successful career in the healthcare industry. College level courses are structured throughout the program for students to get a jump on their career focus.



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The Health Sciences Academy offers a rigorous, pre-professional pathway for highly motivated students pursuing a future in the healthcare field. This program integrates a challenging academic curriculum with hands-on, authentic medical training to prepare students for college-level health programs and competitive careers.

Key Program Features:

- **College-level coursework:** Engage in advanced academics with a curriculum that includes courses such as Anatomy & Physiology, Nutrition, Medical Terminology, and Biomedical Ethics. Our dual-enrollment opportunities allow students to earn college credits while still in high school, giving them a head start on their post-secondary education.
- **Newly designed simulation lab:** Practice real-world clinical skills in our dedicated simulation lab, which is equipped with medical technology and patient mannequins. Students will learn to perform patient care, respond to emergencies, and work collaboratively in a safe, immersive environment.
- **Industry-recognized certifications:** Enhance your resume with a range of professional certifications that demonstrate your competence and commitment to the field. All students will complete coursework and testing to earn the following certifications:

- CPR/BLS (Basic Life Support)
- First Aid
- Bloodborne Pathogens
- OSHA 10-Hour General Industry Safety and Health
- American Medical Certification Association (AMCA)

- **Career and college readiness:** Our program prepares students for a wide array of career opportunities, including pre-medicine, nursing, therapy, imaging, pharmacy, and more. Through field experiences, guest speakers, and professional mentorship, students gain invaluable real-world insights that inform their career choices.

Course Offerings

- Microsoft Office & Digital Literacy
- Health Careers Exploration
- Global Health
- College Level Nutrition
- College Level Medical Terminology
- College Level Anatomy & Physiology I & II
- College Level Biomedical Ethics
- Medical Assistant Patient Care Technician

PERFORMING ARTS - DANCE

OVERVIEW

The Performing Arts Dance program develops versatile and confident dance artists through rigorous training, performance, choreography, and creative exploration. Students work alongside accomplished faculty and guest artists while building technical, artistic, and collaborative skills.



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Please note: Auditions are required for the application to the Dance program.

For more than 25 years, the Academy of Performing Arts Dance program has provided students with comprehensive training designed to develop technically accomplished, versatile, and thoughtful dance artists with strong creative voices.

At the core of the program is intensive technical training in multiple styles including ballet, modern, and jazz, and improvisation. This is complemented by coursework in dance composition, history, kinesiology and injury prevention, concert choreography, and career preparation. Students are challenged not only to strengthen their technique and performance skills, but also to develop their individual artistic voices, deepen their understanding of the field, and grow as choreographers, collaborators, and creative thinkers.

Learning extends beyond the classroom through extensive performance and choreographic opportunities and GCIT Dance's robust guest artist program. Students regularly study with and are mentored by working professional dancers, choreographers, educators, and other industry professionals, connecting their daily training to the evolving professional dance landscape.

Students may pursue college-preparatory, honors, and concurrent college/high school coursework while preparing for post-secondary study and careers in dance and the broader performing arts. Dance students may also participate in the National Honor Society for Dance Arts (NHSDA), along with a variety of Career and Technical Student Organizations (CTSOs).

Students within the Academy of Performing Arts have earned recognition at the state and national levels, including the Governor's Awards in Arts Education, National Thespian Awards, Paper Mill Playhouse Rising Star Awards, and the National Honor Society for Dance Arts Award for Artistic Merit, Leadership, and Academic Achievement.

Celebrating more than 25 years of excellence in dance education.



PERFORMING ARTS - DRAMA

OVERVIEW

The Performing Arts – Drama program exposes students to all facets of drama, from set and costume design to the bright lights of the big stage. Class and school wide performances are performed throughout each school year. Thespian Troupe 5480 is a nationally recognized Career Technical Student Organization and a recipient of several awards each year.



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Please note: Auditions are required for the application to the Drama program.

Performing Arts Drama Program provides students with a wide array of academic options that include college preparatory, honors, and concurrent college/high school classes.

This program prepares students for post-secondary education and/or entry to careers in the performing arts. GCIT offers an extensive range of arts activities, as well as the opportunity for students in other programs to participate in the yearly school musical.

Performing Arts Drama students at GCIT have the opportunity to participate in the nationally recognized Thespian Troupe 5480, in addition to a variety of other CTSOs.

Additionally, students in the School of the Performing Arts have been recognized and awarded with the Governor's Awards in Arts Education, National Thespian Awards, and Paper Mill Playhouse Rising Star Award.

The structure of the School of Performing Arts – Drama features classroom instruction integrated with workplace experience, participation in facets of theatre auditions, performance and production, and exposure to current professionals in the field.

Graduates from the performing arts program followed their training by joining national theatre tours, regional theatres, off-Broadway shows, improv troupes, and Disney theme parks and cruises. Graduates have also landed roles in major motion pictures, positions as lighting designers and costume designers, teachers, and some are even theatre owners.

Our experienced staff has years of career experience in directing, performing, and stage managing at community, regional, and professional theaters in Philadelphia, New York, and regional theaters around the country.

Visit us on Facebook at www.facebook.com/gcitdrama/ for more information on our program and upcoming performances.

Where are our students now?

Drama I

Ensemble Acting
Theatre History I
Professional Development and Production

Drama II

Acting Technique
Theatre History II
Professional Development II

Drama III

Intermediate Acting
Theatre History III
Professional Development and Production III

Drama IV

Theatre History IV
Advanced Acting Technique
Professional Development and Production IV

ATHLETIC DEPARTMENT

OVERVIEW

Gloucester County Institute of Technology Athletics offers a competitive and well-rounded interscholastic sports program that emphasizes character, discipline, and school pride. With a strong tradition of success across fall, winter, and spring sports, GCIT student-athletes are challenged to excel both on the field and in the classroom.



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Gloucester County Institute of Technology offers an athletic experience rooted firmly in academic excellence. At GCIT, participation in sports begins with a commitment to the classroom, where student-athletes are expected to meet rigorous academic standards while pursuing their passion for competition. This philosophy ensures that every athlete understands that success on the field is built upon discipline, time management, and strong academic performance—skills that prepare them for college and beyond.

As one of the most sought-after career and technical high schools in the region, GCIT is a selective institution where students are accepted through a competitive admissions process. Families choose GCIT not only for its dynamic athletic opportunities, but for its prestigious academic and career programs that rival early college experiences. Students graduate with industry certifications, real-world experience, and a strong academic foundation, making them highly competitive for top colleges, universities, and career pathways. Athletics enhances this journey by building leadership, resilience, and teamwork—qualities that colleges actively seek in applicants.

GCIT's athletic program mirrors the professionalism and structure of collegiate athletics, offering high-quality coaching, modern facilities, and a culture of accountability and pride. Student-athletes represent a school known throughout the region for excellence, integrity, and achievement. For parents seeking an environment where their child will be challenged academically, developed athletically, and surrounded by motivated peers, GCIT stands apart as a premier destination—preparing students not just for high school success, but for a future filled with opportunity.



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The Gloucester County Vocational-Technical School District (GCVTSD) does not discriminate in admissions or access to, or treatment, or employment on the basis of race, color, national origin, sex, disability, or age in its programs and activities. Under the Law Against Discrimination (LAD) New Jersey has the following protected classes (2022): Race or color; Religion or creed; National origin, nationality, or ancestry; Sex, pregnancy, or breastfeeding; Sexual orientation; Gender identity or expression; Disability; Marital status or domestic partnership/civil union status; Liability for military service. In employment: age, atypical hereditary cellular or blood trait, genetic information, the refusal to submit to a genetic test or make available to an employer the results of a genetic test. The GCVTSD offers programs in many career and technical education program areas under its open admissions policy. Lack of English language proficiency will not be a barrier to admissions and participation in career and technical education programs.