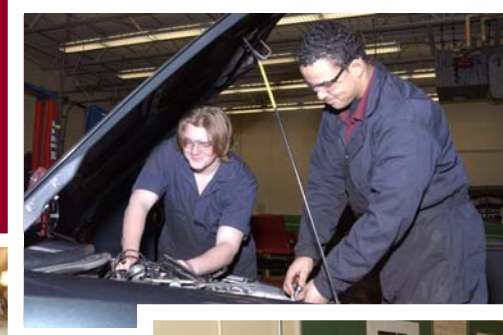
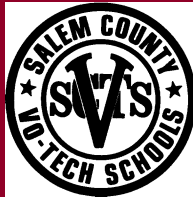
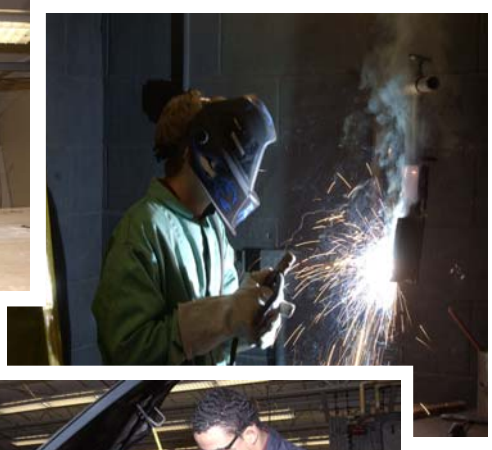


SALEM COUNTY  
CAREER AND TECHNICAL HIGH SCHOOL  
*Catalog of Courses for  
Career and Technical Education Programs*



*Introducing Opportunities for a Lifetime*

*[www.scvts.org](http://www.scvts.org)*

# Welcome to the Salem County Career and Technical High School!

The Salem County Career and Technical High School offers a wide range of educational opportunities for both high school and postsecondary students in Salem County. The Career and Technical High School is both a shared-time and full-time high school. All of the programs can accommodate full-time students. The programs and services are designed to prepare students for employment and higher education. Most programs are also designed to meet the needs of postsecondary and adult students who are entering or reentering the job market, preparing to enter college, or desire general preparation for further education and/or advanced-level employment. Many of the programs prepare students for occupational licenses, certifications, and technical updating.

## **Program Offerings** (subject to change)

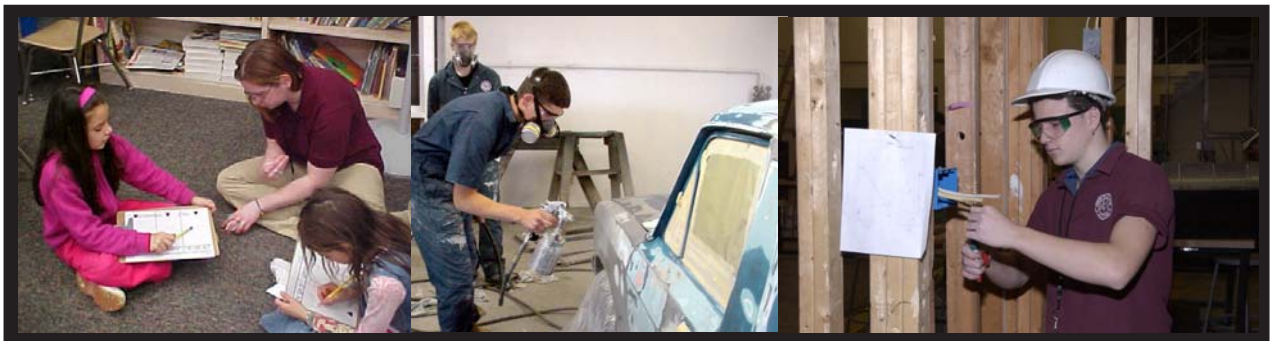
Air Force Junior ROTC  
Allied Health Professionals  
Auto Collision Repair Technology  
Automotive Technology  
Child Care and Early Childhood Education  
Computer Assisted Design and Drafting  
Construction Technology  
Cosmetology  
Culinary Arts and Hospitality  
Electrical Technology  
Graphics Technology  
Information Technology - Computer Hardware and Software  
Law Enforcement and Public Safety  
Welding Technology

The mission of the Salem County Vocational Technical School District is to *prepare students for employment, for further education leading to employment, and for lifelong learning.*

## **GUARANTEE**

Based on the post-assessment of student competencies, every student is guaranteed to be proficient in the competencies for which they have been certified. In the event of an employee deficiency, Salem County Vocational Technical School District will retrain the employee at no cost to the employer for up to two years from his/her date of graduation.

The Salem County Vocational Technical School District is operated by the Salem County Board for Vocational Education, and supported, in part, by the Salem County Board of Chosen Freeholders.



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# Air Force Junior ROTC

The Air Force Junior Reserve Officer Training Corps (AFJROTC) offers students the opportunity to explore the fast-paced world of aerospace and military science. Students learn about the history of flight, the development of airpower, as well as the missions and operations of the United States armed forces. They examine the science of flight, from weather and aviation physiology, to the theory of flight and aircraft navigation.

The program includes studies of the solar system and space technology. Students will be exposed to several career opportunities in the aerospace industry. Students will learn the fundamentals of good communications, effective management, and human relations and receive leadership training that will prepare them for life after high school.

## Program Outcome

There is absolutely no military obligation to participate in AFJROTC. Air Force Junior ROTC program instructors encourage students to stay in school and continue their education. They do not recruit students for the military. Air Force Junior ROTC is a citizenship program. Students enrolled in the Air Force Junior ROTC program are taught values and skills that will benefit them in any future endeavor.



## General Courses of Study

Aviation History I  
Aviation History II  
Aerospace Science I  
Aerospace Science II  
Navigation and Survival  
Exploration of Space  
Military Science  
Careers in Aerospace

Whatever a student's career aspiration, the Air Force Junior ROTC experience will provide them with the education and skills they'll need to meet the challenges of the future.

For those students who are interested in a military career, participation in AFJROTC offers real advantages. Students who enlist in any of the armed forces may enter at one or two pay grades higher than other enlistees. Students who plan to go to college and join senior-level ROTC may gain credit for up to one full year of college ROTC for their Junior ROTC experience at the Career and Technical High School.

Students may also qualify for special scholarships reserved for cadets who have participated in AFJROTC during high school.



### Program Highlights

- ◆ The State of New Jersey has approved physical education credit for AFJROTC participation
- ◆ Participation in color guard and drill team
- ◆ Students may enroll in other career and technical programs full time and take AFJROTC as an elective
- ◆ Students take several curriculum in action trips, including a visitation to Dover Air Force Base

### Advanced Skill Level Courses (Full Time Students)

#### **Course Title: Modern Military History**

**Description:** The course explores the history of U.S. military operations from the Vietnam War to present time. Military strategy and tactical operations will be studied in the context of U.S. political policy and its affect on the military and future wars in space. Topics include: U.S. involvement in Southeast Asia, Desert Shield/Desert Storm, military operations in Grenada, Panama, Somalia, The Balkans, and the current global war on terror.

#### **Course Title: Budgeting and Resource Management**

**Description:** The course teaches students the skills needed to handle money and credit responsibility. Topics include: creating a personal budget, savings and investments, establishing and using credit wisely, and the principles and types of insurance.

#### **Course Title: Aviation Pioneers**

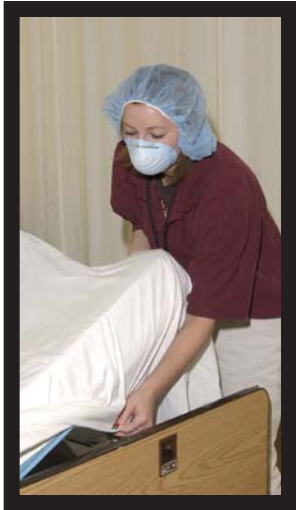
**Description:** This course examines the epoch-making flights that had a dramatic effect on the development and progress of aviation. It also profiles the personalities involved in these milestone flights. Students will understand the motivations and accomplishments of aviation pioneers such as the Wright Brothers, Ferdinand Von Zeppelin, Louis Bleriot, Chuck Yeager, and Burt Rutan.

#### **Course Title: Civics**

**Description:** The course explores the basic tenets of our American constitutional government. The U.S. Constitution will be examined to see how it establishes the basic principles and values of American Democracy. Topics will include the role of the President of the United States and the role of Congress. Students will also study the relationships and functions of local, state, and the national government, and the concept of civilian control of the military.

# Allied Health Professionals

The Allied Health Professionals program at the Career and Technical High School centers on the philosophy that health



encompasses an individual's mind, body, and spirit.

An imbalance in one of the three can have adverse effects on the other two. For this reason, instruction focuses

on a holistic health model that reinforces healthy-living concepts.

The Allied Health Professionals program expands upon these concepts to develop a new vision of health and wellness. Classrooms and instructional styles are designed to use the latest in state-of-the-art technology and equipment.

Within the structure of the program, and through numerous curriculum in action trips, students explore multiple career pathways in the health sciences to help them decide on a future career or college major. Students learn basic healthcare concepts, safety issues, and skills that all healthcare workers should know. A basic introduction to medical terminology teaches students how to correctly pronounce, spell, define, and use medical words.

## Program Outcome

Students who successfully complete the program are equipped with the entry-level job skills sought by most healthcare employers in areas such as:

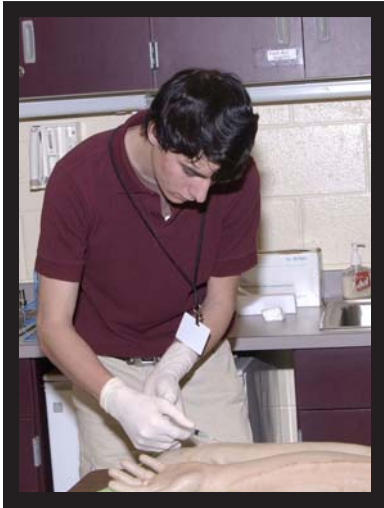
- clinical laboratory assisting
- emergency room technician
- general health care worker
- physician's assistant
- medical assisting
- radiology
- nursing assistant
- medical office administration
- physical therapy
- lab technology
- respiratory therapy

Employment skills and a solid knowledge base give Career and Technical High School students an edge in higher-education. Students earn their certification in phlebotomy from the American Society of Phlebotomy Technicians. Apprenticeships in many allied health fields are also available to students who successfully complete the program.

## General Courses of Study

- Allied Health Careers and Medical Terminology
- Societal Dynamics of Healthcare
- Anatomy and Physiology I
- Anatomy and Physiology II
- Community and Occupational Health
- Phlebotomy
- Clinical Laboratory Assistant
- Medical Assisting





### Program Highlights

- ◆ Students can earn a phlebotomy certificate
- ◆ Participation in a clinical experience at the Memorial Hospital of Salem County
- ◆ Students learn through routine experiences in emergency room and crisis simulations
- ◆ Students prepare for careers in nursing

## Advanced Skill Level Courses (Full Time Students)

### Course Title: Paramedic Sciences

**Course Description:** A paramedic is a pre-hospital provider of advanced life support to the critically ill or injured patient under the direction of a licensed physician. Responsibilities include, but are not limited to: oxygen therapy, intravenous insertion, medication administration, airway management, cardiac monitoring, and defibrillation. Students enrolled in this course build upon skills obtained in the Community and Occupational Health course to advance their skill level.

### Course Title: Health Information Technology

**Course Description:** This course is designed to prepare students to function effectively in a technical capacity in a wide variety of health care settings. Job opportunities may be found in ambulatory care, rehabilitation centers, drug and alcohol facilities, local health departments, third-party payers, acute care centers, as well as other healthcare-related organizations. During the course of study, students learn the theories of health information management and experience clinical affiliations in areas where practical applications of theory take place and expand on their knowledge of human anatomy and physiology, medical terminology, and computer science.

### Course Title: Cardiovascular Technology

**Course Description:** Cardiovascular technologists (CVT) perform a highly specialized health care profession and are trained to perform diagnostic procedures in order to document the presence and degree of cardiac disease. Areas of study include cardiovascular ultrasonography or invasive cardiovascular technology. Students enrolled in this course study: ultrasound physics and instrumentation, the anatomy of the heart and its disease mechanisms, clinical signs and symptoms of heart disease, and electrocardiogram interpretation. A proficiency in mathematics is required.

### Course title: Nutrition and Fitness/Dietetic Technology

**Course Description:** This course is designed to prepare students for a career as a dietetic technician. Dietetic technicians work under the supervision of a registered dietitian in health care, community nutrition, and food service management programs. Students enrolled in this course will learn how to assess, plan, implement, and evaluate the nutritional care of individuals in the healthcare setting by studying nutrition basics, food management systems, food types, and safety, sanitation and maintenance.

# Auto Collision Repair Technology

The Automotive Collision Repair program trains students for a challenging career in the automotive industry. Students learn



identification, construction removal, replacement, and repair of all automobile body parts, glass and upholstery.

The Career and Technical High School meets the stringent requirements set by the National Institute for Automotive Service Excellence (A.S.E.) and has been certified by the National Automotive Technicians Education Foundation (NATEF).

Upon completion of this program and three years of on the job work experience students are eligible to test for the Automotive Service Excellence certification.

## General Courses of Study

Introduction to Auto Collision Repair

Introduction to Auto Body Welding

Introduction to Automotive Refinishing

Introduction to Structural Analysis and Damage Repair

Advanced Non-structural Analysis and Damage Repair

Advanced Automotive Refinishing

Advanced Structural Analysis and Damage Repair

Introduction to Basic Automotive Mechanical Repair

## Program Highlights

- ◆ The classroom shop contains two professional drive-in paint booths
- ◆ Students may repair their personal vehicles throughout the school year
- ◆ Program completers and graduates have continued their education at Penn State University and Wyotech College
- ◆ There is a high placement rate in apprenticeships and cooperative industrial working experience





## Program Outcome

The Auto Collision Repair Technology program prepares students for an entry-level position in the automotive industry. In addition to acquiring the basic skills necessary, students learn to diagnose and measure damage.

Auto body technicians who continue to develop their skills earn lucrative salaries and have greater opportunities to seek careers in the following areas:

automotive dealership, foreperson/service manager, insurance adjuster, custom spray painter,

parts counter-person, wrecking yard manager, repair shop owner, antique car restorer  
Students who go to college may pursue studies in automotive design and engineering, and often use their skills in auto body repair to help with payment of their college costs.

## Advanced Skill Level Courses (Full Time Students)

### Course Title: Custom Painting and Color Matching

**Course Description:** Students learn the fundamental and advanced level techniques for refinishing both damaged and undamaged automobiles. These skills will include color theory, color matching, tinting, multi-stage finishes, let down panels and basic methods of custom paint work.

### Course Title: Custom Auto Body Modifications

**Course Description:** Students learn the fundamental and advanced level techniques for repairing both damaged and undamaged automobiles. These skills will include custom sheet metal fabrication, advanced fiberglass and plastics repairs, introduction to body modifications and suspensions

### Course Title: Advanced Welding and Plastic in Auto Collision Repair

**Course Description:** Students have the opportunity to take this advanced course in welding and plastic repair. This course will teach students the fundamental and advanced level techniques for repairing today's automobiles. Students will work with aluminum, sheet molded compounds, plastics, and high strength steels throughout this course.

### Course Title: Auto Collision Repair Business

**Course Description:** Students will learn the fundamentals to run an auto collision repair facility. These skills will include advanced damage estimating, dealing with customers, employer-employee relations, dealing with insurance companies, and more. This course will focus on the business of the repair industry.

# AUTOMOTIVE TECHNOLOGY

The Automotive Technology program familiarizes students with safe work practice, tool introduction, and what would be expected in a working environment. There are extensive hands-on and theory situations throughout all aspects of the program. Students also study: brake repair, emission control repair, electrical repair, and transaxles and differentials repair. This program follows the Automotive Service Excellence (ASE) certification standards. Upon completion of this program students have the opportunity to become ASE certified.

## Program Highlights

- ◆ The classroom shop contains state-of-the-art equipment and tools found in most professional automotive service centers
- ◆ Students may repair their personal vehicles throughout the school year
- ◆ The Automotive Technology often reaches maximum enrollment
- ◆ The program features a high placement rate in apprenticeships and cooperative industrial working experience

## General Courses of Study

General Engine Repair

Front End Repair

Heating and Cooling Repair

General Transmission Repair

Brake System Repair

Emission Control Repair

Electrical Systems Repair

Transaxles and Rear Differential Repair

These courses follow the Automotive Service Excellence (ASE) certification standards.

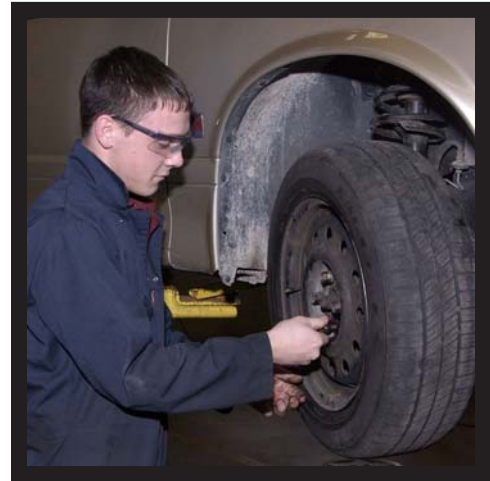


## Program Outcome



Successful students who graduate from this program can enter a number of different automotive careers. The demand for highly skilled and trained workers in this field continues to increase. Students may obtain positions as automotive technicians, automotive service technicians, front end specialists, service managers, service writers, shop supervisors, and specialized auto

repair persons. Graduates of the program can continue their education and receive more training at technical colleges, seeking associates degrees in automotive technology. Many alumni operate independent repair shops, or run auto supply stores.



### Advanced Skill Level Courses (Full Time Students)

#### **Course Title: Rebuilding Four and Six Cylinder Engines**

**Course Description:** This course prepares students to understand the intricacies of the four- and six-cylinder engine and the importance of different tolerances and clearances. During the course of study, the theory of the new technology and higher running engines will be learned, preparing the student for factory engine rebuilding and ASE certification.

#### **Course Title: Rebuilding Eight and Ten Cylinder Engines**

**Course Description:** This course prepares students to understand the intricacies of the eight- and ten-cylinder engine and the importance of different tolerances and clearances. During the course of study, the theory of the new technology and higher running engines will be learned, preparing the student for factory engine rebuilding and ASE certification.

#### **Course Title: Advanced Engine Performance**

**Course Description:** This course prepares the students to understand the intricacies of the engine's computer system and the importance of the fuel management system. Students will use advanced test instruments to diagnose, adjust, and repair engine performance problems. During this course of study, students will study the theory of the new technology and the understanding of the engine's computer system.

#### **Course Title: Estimating and Business Management**

**Course Description:** This course prepares students to understand the technique of estimating potential jobs and present a detailed estimate. Students will have the opportunity to receive hands-on experience on estimating in the lab component of this course. Also, some basic business management techniques will be studied.

# Child Care and Early Childhood Education

The Child Care and Early Childhood Education program helps the student prepare for a career in child care or early education fields. The program guides the student through practical ways to assist



children in a variety of daily experiences in healthy, safe and educational ways. Students learn about how

children develop physically, intellectually, socially, and emotionally. This understanding of children will help enable the student to plan for and react to children with confidence and ensure the student that these actions are developmentally appropriate. All students will have the opportunity to participate in a clinical experience, which allows for interaction with children and elementary aged students.

## General Courses of Study

Introduction to Child Care and Teaching as a Profession

Child Growth and Development

Learning Experiences for Children – Arts

Clinical Experience I (Special Education and Preschool)

Learning Experiences for Children – Academic

Clinical Experience II (Elementary and Middle School)

Positive Guidance and Classroom Management

Senior/Co-op Experience

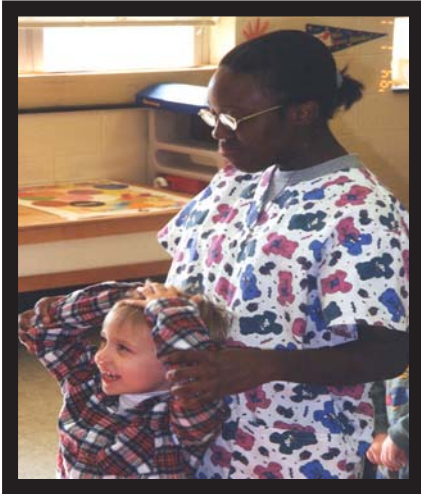
## Program Outcome

Upon completion of the program, students will be prepared for entry-level employment in early childhood programs. Successful graduates can apply for work in a child care center,



family or group family home, or as an aide or assistant teacher in a nursery school. Many students build on their experiences gained in this program by studying early childhood or elementary school education at the college level.

Students who complete the Child Care and Elementary Education program may be eligible for 11 credits at Salem Community College, 3 credits at Cumberland County College, and 6 credits at Delaware Technical and Community College.



### Program Highlights

- ◆ Students prepare to continue education and begin careers in nursery schools, day care facilities, and school districts
- ◆ Students create lesson plans and activity plans
- ◆ Students participate in off-site clinicals at nursery schools and day care facilities
- ◆ Articulation agreements with Salem Community College, Cumberland County College, and Delaware Technical College can lead to college credit

## Advanced Skill Level Courses (Full Time Students)

### Course Title: Foundations of Reading

**Course Description:** This course provides students with a basic understanding of language development, the reading process, and their relationship to literacy. Topics of study pertaining to reading instruction in the elementary school, range from emergent literacy to comprehension of narrative and expository discourse. There is an emphasis on strategies for teaching word recognition skills, vocabulary, and guided reading lessons. The importance of literature and cultural-enrichment activities and making curricular connections is highlighted. A moderate amount of assigned readings in the genre of children's literature is an important aspect of this course.

### Course Title: Health, Safety, and Nutrition

**Course Description:** This course provides students with an exploration of ways to provide a safe and appropriate environment for children, develop awareness of children's physical and emotional health and nutritional needs, and collaborate with parents to expand the interrelationship between health, safety, and nutritional information and practices. Common ailments and warning signs are explained in detail. Specific strategies of maintaining a clean and healthful classroom environment are studied.

### Course Title: Understanding Students with Special Needs

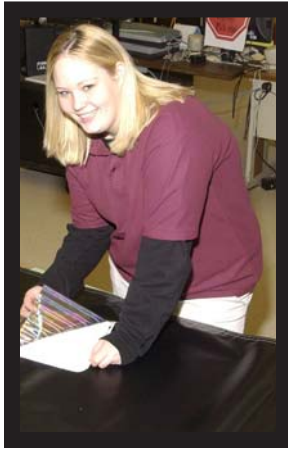
**Course Description:** This course provides students with information regarding students with special needs. An in-depth review of the research will be done with the Individuals with Disabilities Education Act (IDEA), Public Law 101-476, and several of the thirteen separate categories of disabilities under which children may be eligible for special education and related services. These include, but are not limited to: autism, deafness, deaf-blindness, hearing impairment, mental retardation, multiple disabilities, orthopedic impairment, other health impairment, serious emotional disturbance, specific learning disability, speech or language impairment, traumatic brain injury, and visual impairment. Students will also study how the development of IEP's and 504 plans allow for instructional accommodations to meet the needs of special education students.

### Course Title: Family, Community, and School Relationships

**Course Description:** This course teaches students learn how to evaluate and utilize the resources of the community to support student learning. Students will investigate how to build family involvement as part of learning in the classroom. Awareness of cultural factors that affect learning and how to incorporate positive aspects into classroom work will also be studied. Students will develop an understanding of professional expectations and the importance of a collegial community to enhance learning.

# Computer Assisted Design and Drafting

The Computer Assisted Design and Drafting (CADD) program equips students with computer drafting and



design skills from a range of disciplines. Students learn technical and computer skills that can be applied to: mechanical, architectural, civil, electrical, HVAC, and pipe drafting and design.

Students experience manual as well as computer drafting in AutoCAD. In addition to AutoCAD students will have the opportunity to explore Architectural Desktop, Mechanical Desktop, Inventor, 3D Studio, AutoDesk Mechanical and Electrical, Revit, SignLab, Corel Draw, and more.



In addition to the conventional drafting and design skills, students develop an understanding of Computer

Aided Manufacturing (CAM) through the use of graphic designs.

At the completion of the CADD program students are prepared for employment or higher education opportunities.

## General Courses of Study

Introduction to Technical Drafting

Introduction to AutoCAD

Architectural Drafting I

Architectural Drafting II

Commercial Drafting I

Commercial Drafting II

Transportation Design

Computer Aided Manufacturing

## Program Highlights

- ◆ Program completers and graduates are employed at PSE&G, M.Davis and Sons, and several independent architects
- ◆ Students study to become architects, designers, structural engineers
- ◆ Articulation agreements with five different institutions of higher education
- ◆ Students also learn poster design, vinyl lettering, glass etching



## Program Outcome

The design of a building, theme park, or automobile involves far more than its appearance. Designs must be functional, safe, and economical, and must suit the needs of the people who use them.



An architect's job is to take all these things into consideration when they design buildings and other structures. Students who successfully complete the CADD program can continue their education at a two or four-year college working towards a career as an architect, CAD operator, draftsman, civil technician and land surveyor, engineer, mechanical drawer, industrial design technician, and many other fields.

Successful CADD graduates may be eligible for 6 credits at either the Art Institute of Philadelphia or Del Tech and Community College; 9 credits at Cumberland County College; 3 credits at Gloucester County College; or up to 25.5 quarter credits at Johnson and Wales University.

### Advanced Skill Level Courses (Full Time Students)

#### **Course Title: Architectural Design Studio 2D**

**Course Description:** The course offers a residential two-dimensional architectural design and a scaled model. The drawings include: foundation and floor plans, exterior and interior elevations, building sections and details, electrical, plumbing and HVAC drawings, site plans, and building codes.

#### **Course Title: Architectural Design Studio 3D**

**Course Description:** The course uses a residential three-dimensional architectural design in a scaled virtual 3-D model. The model will include all walls, doors, windows, appliances, and kitchen design. The virtual model will be divided by foundation (basement) floors and roof components. Attention in the design will be given to current building codes. The student will develop renderings and print them in a PowerPoint presentation.

#### **Course Title: Commercial Design Studio 2D**

**Course Description:** The course features a commercial two-dimensional architectural design and a scaled model. The drawings include: foundation and floor plans, exterior and interior elevations, building sections and details, electrical, plumbing and HVAC drawings and a site plan. Special consideration will be given to fire prevention and building safety.

#### **Course Title: Commercial Design Studio 3D**

**Course Description:** The course features a commercial three-dimensional architectural design in a scaled virtual 3-D model. The model will include all walls, doors, windows, appliances, and interior design. The virtual model will be divided by foundation, floors, and roof components. The student will develop renderings and use PowerPoint presentations.

# Construction Technology

The Construction Technology program is designed to provide basic knowledge and develop technical skills used in the construction industry. Classroom instruction prepares students for an apprenticeship in the construction trades. The program relies on hands-on activities supported by visual presentations to assist the student with workplace preparation.

The information and techniques presented by this program illustrate practices that are generally accepted throughout the United States. Typically, these practices are taught to all entry-level apprentices. Therefore, mastery of these skills should be the goal of every student participating in the Construction Technology program.



replacement, framing, home renovations, kitchen/bathroom remodeling, etc. With experience, this work offers a good foundation for management position or to become an independent contractor.

Some graduates also join the union sponsored carpentry apprenticeship program, which enables them to work on commercial projects at higher wages. Other students may elect to continue their education and study architecture or civil and structural engineering at the college level.

## General Courses of Study

Introduction to Construction and Construction Materials

Hand Tools

Power Tools

Building Design and Blueprint Reading

Foundation and Outdoor Slab Construction

Floor, Wall and Ceiling Frame Construction

Interior and Exterior Finish

Roof Frame Construction and Energy Conservation: Insulation

## Program Outcome

Many graduates begin their careers in construction and carpentry with local employment in housing-related industries doing vinyl and cedar siding installation, sheetrock, door and window





### Program Highlights

- ◆ The Construction Technology program was developed and endorsed by the New Jersey Carpenters' Union and the Builders League of South Jersey
- ◆ Students can build full scale sheds and other structures that are sold to the public
- ◆ Students prepare to work in construction, carpentry, home improvement and remodeling
- ◆ There are many local jobs available.

## Advanced Skill Level Courses (Full Time Students)

### Course Title: Leveling Instruments and Operations

**Course Description:** This course teaches students how to use leveling instruments both conceptually and practically. Students are exposed to the older, more traditional instruments, like the builder's level and the transit level. They also learn how to use the newer instruments like the self-leveling automatic level and the laser transit-level. The student will learn to work safely while performing these tasks.

### Course Title: Stairway Construction and Flooring

**Course Description:** This course teaches students that most buildings with a basement or more than one story will have some type of stairway. Stairway construction is considered one of the most highly skilled areas of carpentry work. Much of this construction is done by contractors who prefabricate the stairways in a shop and directly employ the carpenters who install them. However, this skill will prove to be quite valuable for custom made stairways that need to be constructed on the jobsite. Students will learn about the difference between a stringer, a riser and a tread. They will also learn how to perform the mathematical calculations necessary for constructing a stairway. Safe working techniques will be emphasized when students perform these tasks.

### Course Title: Post-And-Beam Construction

**Course Description:** The primary purpose of this course is to teach students about one of the oldest building methods known in the United States known as Post-And-Beam Construction. The basic structure of many early colonial homes was a post-and-beam framework held together with wood dowels. Later a post-and-beam method known as Heavy Timber construction was used to erect factories, warehouses, mills, bridges, railroad trestles, and other large structures. Students will learn work safety techniques throughout the course.

### Course Title: Concrete Heavy Construction

**Course Description:** The primary purpose of this course is to teach students about how concrete heavy construction is used to erect large office buildings, factories, apartment buildings, schools, hospitals, churches, warehouses, and many other kinds of commercial structures. Students will also learn many heavy construction procedures that are used in building dams, bridges, and overpasses. Students will explore foundation design for heavy construction, forms for heavy construction, and concrete placement. They will also learn about pre-fabricated concrete systems and how they are used in the industry. The students will learn to work safely while performing these tasks.

# Cosmetology

The Cosmetology program provides students with the skills necessary to enter a fast-paced and highly competitive industry. Students learn basic job entry-level skills and develop an attitude of life long learning. The training covers permanent waving, hair coloring, hairstyling, skin care, shaving, chemical and physical hair straightening, manicuring, and pedicuring. Students also learn the importance and value of creating and maintaining a client database.

In November of each school year, experienced second-year students operate a cosmetology clinic, where clients can come to receive services, and students apply the technical skills that they have learned.

After acquiring 600 hours, students will obtain a student permit. The permit allows a student to work in a salon after school and on weekends. Upon completion of the program students are prepared and expected to take and pass the State Board Examination to receive the Cosmetology and Hairstyling license.



## General Courses of Study

Introduction to Cosmetology  
Introduction to Hair  
Hairstyling  
Skin Care & Shaving  
Introduction to Hair Coloring  
Hair Coloring II  
Permanent Waving  
Chemical and Physical Hair Straightening

## Program Highlights

- ◆ Students can earn a cosmetology license from the state of New Jersey (necessary to work in any salon in the state). **If student went to a cosmetology school after high school, tuition is \$15,000 for the same license**
- ◆ Students conduct clinicals at the school and work on clients
- ◆ The Cosmetology program is very popular with a full enrollment almost every year
- ◆ Several SCVTS graduates are salon owners





## Program Outcome

Upon completion of the program, students will be qualified to take the State Board Examination to receive the Cosmetology and Hairstyling license. Career opportunities for licensed cosmetologists include: computer imaging technician, hair color technician, hair cutting technician, hair dresser assistant, hair stylist, perm technician, makeup artist, nail technician, salon manager or owner, skin care technician, and teacher. Many students choose to attend a two or four-year college to pursue degrees in business management or related fields, and work part-time applying the skills they have learned.

## Advanced Skill Level Courses (Full Time Students)

### Course Title: Advanced Esthetics

**Course Description:** Advanced Esthetics is designed to teach students the laws and related chemistry of skin care. Students learn the five main categories of professional skin care products and explain different skin types and conditions. Students also study the different electrical currents used in facial treatments and the safety precautions that must be followed when working with them. Students learn advanced procedures for facials and provide client services using advanced equipment.

### Course Title: Advanced Nail Procedures and Design

**Course Description:** Advanced Nail Procedures and Design teaches the students the structure and composition of nails along with the various types of disorders and diseases. The students learn the pre-service and post-service steps of artificial nail tips, acrylic, wraps, and gels. Other advanced techniques include French manicure and various methods of nail art. Students use a variety of salon products in a safe environment taking measures to prevent the spread of disease.

### Course Title: Formal Hair Design

**Course Description:** Formal Hair Design teaches the students the fine points in formal design including: knots, loops, French rolls, twists, and braiding. Along with thermal and wet curling, the students create their own designs and provide styling and finishing services to the satisfaction of their clients.

### Course Title: Advanced Hair Cutting

**Course Description:** This course takes the students beyond the basics of cutting by teaching in-depth techniques that give students the ability to create a combination of haircuts. Using their basic knowledge, students identify various projection angles and shear and finger positions to create new lines and angles.

# Culinary Arts and Hospitality

The Culinary Arts and Hospitality program prepares students for a career in one of the fastest growing industries today. Students have complete access to a fully equipped, state-of-the-art kitchen facility, where they experience a full-scale culinary operation. After completing the courses of study, students are able to make several soups and sauces, a variety of salads, entrees, and desserts. The district employs culinary arts students during the school year to prepare and serve breakfast, lunch, and dinner functions held at the school. Upon completion of the course, students can receive certification in Serve-Safe Training and Pro-Start Year 1 and 2.

Culinary Arts and Hospitality is also offered as an academy. Students who choose to attend full time at the Career and Technical High School will be enrolled as academy students. The primary goal of the academy option is to strengthen and enhance each student's technical and interpersonal skills through a considerable amount of theory and practical knowledge of the culinary and hospitality industry. In addition to Serve-Safe sanitation training, students may be eligible for additional certifications through the National Restaurant Association.

## General Courses of Study

Introduction to Culinary Arts and the Hospitality Industry

Culinary Science and Nutrition

Foundation of Professional Baking

The Chemistry of Baking

Pastry Arts

Patisserie 1

Safety and Sanitation

Culture of Gastronomy



## Program Highlights

- ◆ Students can work on SCVTS sponsored banquets and functions after school and get paid for their work
- ◆ Students can earn Serve-Safe certification. At college, this same certification can cost up to a \$1,000
- ◆ Each year, students leave class with a portfolio of dishes and book of recipes
- ◆ Articulation agreements with Atlantic Cape Community College, Johnson and Wales University, Delaware Technical College, the Art Institute of Philadelphia, and Baltimore International College, allowing students to attend college with advanced placement credits for instruction they have received at the Career and Technical High School

## Program Outcome

The Culinary Arts program has several articulation agreements with prestigious Culinary Arts schools across the country, from which students can enter college with advanced placement credits for instruction they have received at the Career and Technical High School. Graduates of the Culinary Arts and Hospitality program can enter the job field as a cook, short order cook, baker's assistant, caterer's assistant, food server, or steward. Upon completion of the program students may be eligible for the following certificates: Serve-Safe, Pro-Start Year 1 and 2, and Junior National Restaurant Association. The students who complete the Culinary Arts program may be eligible for 3 credits at Delaware Technical and Community College; 6 credits at Paul Smith's College; 9 credits at The Art Institute of Philadelphia; 10 credits at Baltimore International College; 12 credits at Atlantic Cape Community College; or 15 quarter credits at Johnson and Wales University.



### Advanced Skill Level Courses (Full Time Students)

#### **Course Title: American Regional Cuisine**

**Course Description:** The course teaches students to create menus that influence American daily production. It emphasizes regional trends in American foods and their impact on menu design. Students examine major historical and geographical cuisines in Mid-Atlantic, South, Southeast, Southwest, Mid-West, Pacific Northwest, sections of the United States. They learn ways in which these developments have affected the creation of various cultural patterns. Students explore the unique cuisine created by the “melting pot” influences of Europeans, Africans, and Native Americans.

#### **Course Title: World Cuisine**

**Course Description:** The course teaches students how to produce menus reflecting the influences of different countries throughout the world. It exposes students to the preparation of classical dishes in a traditional way. Topics of study include menu terminology, tableside cooking and compound sauces. Students also examine Asian, Mediterranean, European, British Isles, South American, African, Middle East, and oceanic cuisines. They also learn fundamental cooking theories and techniques including the reinforcement of vegetable, rice, grain pasta, dry legume, and potato cooking as well as contemporary sauce cooking. There is a focus on product tasting, station organization, small sauce production, and protein cooking such as braising, stewing, roasting, sautéing, broiling, grilling, and poaching.

#### **Course Title: Menu Planning and Design**

**Course Description:** The students will critique and create menus from the perspective of concept, clarity, cost, price, and efficiency. They will also make an analysis of menu development for different food service establishments. Topics of study include: menu development, descriptions, layout, pricing, sales mix, and station balance. The course emphasizes designing menus from market and seasonal perspectives. There is an introduction to the principles of planning, preparation, and presentation of wholesome, nutritional balanced meals.

#### **Course Title: Principles of Food Service Management**

**Course Description:** This course covers techniques of contemporary food and beverage management and their application in the professional food service environment. Emphasis is placed on budget preparation, food and labor cost controls, menu planning, pricing, and quantitative management. Students learn how to construct, interpret, and evaluate financial statements and other managerial reports. They learn a variety of analytical tools and procedures used to measure the financial performance of a business entity. Students receive an overview of the legal, operational, and psychological considerations in recruiting, selecting, hiring, training, compensating, developing, disciplining, evaluating, and terminating employees.

# Electrical Technology

The primary purpose of this program is to educate students about electrical technology by presenting a



comprehensive selection of courses. At this level, students learn: basic electrical theory, wiring methods and materials, national and local electrical

codes, and print layout. The students gain the experience to install receptacles, switches, lighting, and service entrance conductors. While working with the various circuits for both residential and industrial facilities, students learn to work safely around electricity and to use the proper tools for residential and industrial wiring. As students progress through the program, they learn about motors, programmable logic controls, generators, and meters.



## General Courses of Study

Basic Electrical Theory I

Grounding and Electrical Services

Basic Electrical Theory II

Residential Wiring and Lighting

Advanced Electrical Theory and Introduction to National Electrical Code

Motors, Generators, and Blueprint and Schematic Reading

Advanced National Electrical Code and Commercial Wiring

Motor Control and Meters

## Program Highlights

- ◆ Electrician apprentices can start at \$18 per hour and journeymen electricians make \$35 to \$40 per hour
- ◆ This program prepares students to pass the competency test to enter a union apprenticeship program
- ◆ Students learn residential and commercial wiring
- ◆ Students gain hands-on experience working on a mini-framework home in the classroom

## Program Outcome



Upon successful completion of the Electrical Technology Program, students will be qualified to obtain an entry-level job in residential wiring or to continue their education in an electrical technology program. The students who complete the Electrical Technology program may be eligible for 3 credits from Cumberland County College. Those students, who maintain a “B” or higher average, can receive college credits at Salem Community College if they enter the Electrical Technology Program there. Students may also chose to enter into a private apprenticeship or an electrical union apprentice program.

### Advanced Skill Level Courses (Full Time Students)

#### **Course Title: Advanced Commercial Wiring**

**Course Description:** The primary purpose of this course is to continue to teach students the advanced aspects of: the national electrical code, commercial wiring design, protection, commercial building plans, and specifications. Students continue to expand their knowledge of commercial cooling systems and special electrical systems. The students also estimate the cost of more complex electrical installations, which is an integral portion of an electrician’s business. Students master the conduit manipulation skills necessary for commercial electrical installations and utilize electrical trainers to enhance their skills in areas of emergency lighting, fire alarms, and security alarms. The students learn to work safely around electricity and to use the proper tools for commercial wiring.

#### **Course Title: Transformers and Step-down Transformers**

**Course Description:** The course teaches students the basic types of transformers and how they operate. The students learn how to install a transformer and test the voltage output. They also learn the polarity markings of the transformer. They will continue to calculate values of voltage, current, and turns for single-phase transformers. The students gain the necessary experience to work safely around electricity and to use the proper tools for installing transformers.

#### **Course Title: Industrial Wiring**

**Course Description:** The course instructs students on the advanced aspects of the national electrical code as it relates to industrial wiring design and protection. At this level, students are taught introductory aspects of industrial building plans and specifications. Students continue to expand their knowledge by learning about industrial cooling systems and special electrical systems required in industrial systems. They also continue to estimate the cost of these more complex industrial electrical installations. Students master the conduit manipulation skills necessary for industrial electrical installations by working on the larger diameter pieces of conduit. Students continue to utilize electrical trainers to enhance their skills in areas of industrial wiring and installation. The students work safely around electricity and use the proper tools for industrial wiring.

#### **Course Title: Reflective Ceiling Plans and Lighting Schematics**

**Course Description:** This course teaches students how to plan for the proper amount of lighting necessary to properly illuminate an area according to the national electrical code. The students also explore methods of indirect lighting, such as accent lighting and low-voltage lighting. The students continue to use their drafting skills to design reflective ceiling plans and alternative lighting designs for houses and businesses.

# Graphics Technology

**G**raphics Technology is a dynamic, rapidly evolving industry. The knowledge and skills of production and printing technology used in the industry are needed in many professions including marketing and sales. Producing professional quality business newsletters, brochures, color catalogs and magazines are considered in house projects for countless organizations. Graphics Technology courses are designed for students who want to pursue careers in graphic arts or print production. The program allows students to work individually on both large and small scale print production projects. Students enrolled in this program give creative input to projects in addition to design and final print production.

## General Courses of Study

Intro to Graphic Communications Design  
Design and Desktop Publishing  
Graphic Arts and Digital Image Editing I  
Graphic Arts and Digital Image Editing II  
Binding and Finishing  
Offset Printing and Screen Printing  
Advanced Print Production  
Senior Experience or Internship

## Program Outcome

Successful graduates of this program can enjoy careers in the following areas: desktop publishers, web designers, CD-ROM/DVD authoring, technical writing, video production, 3D animation, video editing, graphic design, copy writing, special effects, and print production specialists, among others. Students will be prepared to enter the workforce and begin careers with major print production businesses, and publication distributors. Graduates should consider continuing their education at a four-year college or university. Graphics Technology will prepare students for several college majors including graphic design, computer science, web design, and digital manipulation. Students who successfully complete the program may be eligible for an apprenticeship opportunity.





### **Program Highlights**

- ◆ Students participate in many graphic design and printing projects
- ◆ Student can operate brand new top-of-the-line graphics printing equipment
- ◆ Students design posters and pamphlets, as well as web design projects
- ◆ Students learn to print letterhead, business cards, and brochures

## **Advanced Skill Level Courses (Full Time Students)**

### **Course Title: Job Estimating and Management**

**Course Description:** This course teaches students how to estimate potential jobs and present a detailed estimate. Students will have the opportunity to receive hands-on experience on estimating in the lab component of this course. They also study basic business management techniques.

### **Course Title: Digital Imaging and Illustration**

**Course Description:** In this course, students use the computer as a tool to manipulate and transform digital images using Adobe PhotoShop, a program that imitates traditional photographic techniques. Students use digital cameras and scanners to place, crop, retouch, and manipulate digital images in preparation for printing to a color laser printer and state-of-the-art digital duplicator. Students also learn to make and modify shapes, paint, work with layers, apply filters, and prepare documents for printing. Design projects may include newsletters, packages and fliers, color catalogs, photo restorations, and multimedia presentations.

### **Course Title: Intro to Web Design and Development**

**Course Description:** Students study and apply basic design concepts in web planning and design. Students use HTML to create various web pages and web sites according to given design basics. They create a unique site that demonstrates basic design concepts and HTML code. As their skills increase, students are exposed to canned web design programs such as FrontPage and Dreamweaver and learn how these programs enable them to integrate other applications into their designs. Finally, students learn how to effectively manage and manipulate web files on their computers.

### **Course Title: Senior Experience in Computer Science and Software Technology**

**Course Description:** Having completed the majority of their coursework, students apply the skills they have learned in a professional environment. Students have two options available to them at this point. They can work as an intern for a publication, print, or graphics business, or serve as a teacher's assistant, aiding in school projects and helping to manage the software and hardware within their program. Students will be evaluated according to their performance and ability to utilize the knowledge from their classroom experiences.

# Information Technology -

The Information Technology Computer Hardware and Software program provides students with the skills necessary to maintain personal computers in a networked environment and introduces them to the perpetually evolving software industry.

For the hardware component, students learn how to design and install voice, data communications, and video systems in a wire or wireless network. Students also prepare for an A+ certification exam to succeed in the PC repair and network industry.

For the software component, students begin with a foundation in computer software application and image manipulation. Students also learn how to integrate advanced web-design techniques into their websites in the advanced courses.

## Program Outcome



Successful graduates of this program are highly sought after in the Information Technology industry. Career choices include: network technician, server



operator, software operator, remote access administrator, application and product specialist, Microsoft Office specialist, certified webmaster, web development assistant, among others.

Many graduates go on to further educational opportunities at colleges and technical schools. Students who successfully complete the program may be eligible for an apprenticeship in the information technology field.

## General Courses of Study

### Hardware Component:

Intro to Computer Operating Systems  
Networking

Cabling Systems: Copper and Fiber Optics

Introduction to Wireless Technology

Emerging Technology

Senior Experience in Computer Technology Studies

### Software Component:

Intro to Computer Software Applications

Intro to Graphic Design

Digital Imaging and Illustration

Intro to Web Design and HTML  
Programming for the Web

Senior Experience or Internship

# Computer Hardware and Software



## Program Highlights

- ◆ The Information Technology program prepares students to work in computer programming and networking
- ◆ Students can obtain jobs as technology technicians at large corporations, businesses, or school districts
- ◆ Computer fields are among the fastest growing careers and college majors

## Advanced Skill Level Courses (Full Time Students)

### Course Title: Programming for the Web

**Course Description:** In this course, students learn advanced methods of managing a site, as well as how to integrate other applications into their site design. Creating links to documents and databases are some examples of how these methods can be applied. Ultimately, students will be comfortable using the most advanced features of Dream Weaver, creating interactive forms for use online. At this level, students study in-depth processes of publishing/hosting digital and streaming video on their sites.

### Course Title: Emerging Technology

**Course Description:** This course focuses on the newest trends in computer and communication technology. Students study the newest career opportunities and the demand of the current job market. Smarthouse technology, PDA networking, advanced security features, and streaming video links/feeds are a few of the areas that will be discussed in this course. Students work on a number of projects that focus on integrating these technologies into pre-existing networks. Exposure to these technologies will help build student resumes as they begin their senior experience or internship.

### Course Title: Senior Experience in Computer Technology Studies

**Course Description:** Students apply the skills they have learned in a professional environment. Students will have two options available to them at this point. They can work as an internetworking technician under an internship, or serve as a teacher's assistant, aiding in school projects and helping to manage the software and hardware within their program. The former will be useful in building experience for an apprenticeship in the telecommunications or information technology field. Students will be evaluated according to their performance and ability to utilize the knowledge from their classroom experiences.

### Course Title: Senior Experience or Internship

**Course Description:** Having completed the majority of their coursework, students apply the skills they have learned in a professional environment. Students have two options available to them at this point. They can work as an intern for a publication, print, or graphics business, or serve as a teacher's assistant, aiding in school projects and helping to manage the software and hardware within their program. Students will be evaluated according to their performance and ability to utilize the knowledge from their classroom experiences.

# Law Enforcement and Public Safety

Students enrolled in the Law Enforcement Program learn about the history of the criminal justice system in America, the crime and nature of law, as well as legal and behavioral aspects of crimes. Students study New Jersey Code of Criminal Justice (Title 2C), New Jersey Motor Vehicle Law (Title 39), as well as various criminal statistics and the extent of crimes. The program investigates drug and alcohol abuse, the criminal justice process, the U.S. Constitution and Constitutional issues, as well as search and seizure involving police and the Constitution. Students learn police report writing, various career identifications in the Bar of Justice, and describe the structure of American and New Jersey courts. Students also study the components of investigating motor vehicle crashes, patrolling and investigation, and techniques and responsibilities of telephone and radio communications.

## Program Outcome

With increased interest in security and anti-terrorism measures, career opportunities continue to expand in the field of law enforcement and public safety.

Graduates of this program may continue their education at a two or four-year college or university to pursue a career as: a police officer, private security system technician, corrections officer, detective, probation officer, sheriff, private investigator, crime scene investigator, court officer, or personnel dispatcher for all police and fire calls.

## General Courses of Study

Introduction to Criminal Justice  
Introduction to Corrections  
Contemporary Issues in Law  
Administration of Justice  
Criminal Investigation  
Law Enforcement  
First Aid and CPR  
Criminalistics

Students who complete the Law Enforcement and Public Safety Program may be eligible for 6 credits at Cumberland Community College, Salem Community College, or Gloucester County College. Students may also be eligible for 3 credits at Delaware Technical and Community College.





# Welding Technology

**W**elding is more than simply joining two pieces of metal together.

Students who enter the Welding



Technology program acquire very useful skills. Many people who never intended to make welding a profession, take welding courses to gain a valuable

skill used in their own work. Plumbers often use a welding torch. Automobile mechanics frequently need welding skills for auto body work. Farmers, who weld, save money by repairing their own tools and equipment.

Students develop skills in a variety of areas such as: shielded metal arc, tungsten inert gas (TIG), metal inert gas (MIG) and oxyfuel welding techniques. Through the use of blueprints and development of layout procedures, students also learn to make multi-positional, high quality welds on a variety of metals.

## Program Outcome

Successful graduates can go directly to work as steel or ironworkers' apprentices. They can also work as an arc welder, certified welder, flame gutter, gas welder, welding engineer, welding mechanic, or welding inspector. The program serves as a foundation for many other career fields such as, aviation, construction, auto body repair, and engineering.

## General Courses of Study

Introduction to Welding Technology

Introduction to Welding Safety

Introduction to Oxyfuel Welding and Cutting

Arc Welding

Introduction to Gas Metal Arc Welding

Introduction Gas Tungsten Arc Welding

Cast Iron Repair

Pipe Welding



Students may also choose to enroll in college or other post-secondary institutions for further training. Upon successful completion students can receive American Welding Society (AWS) Entry Level Certification.



### Program Highlights

- ◆ Students actively participate in the American Welding Society (AWS)
- ◆ SCVTS has a direct employment partnership with M. Davis and Sons company in Wilmington, DE
- ◆ Students who earn a welding certificate from SCVTS, can also get a diving certification and work as an underwater welder.  
**Starting wages for underwater welders begin at \$110.00 per hour**
- ◆ The Welding Technology program is very popular with full enrollment almost every year

### Advanced Skill Level Courses (Full Time Students)

#### **Course Title: Robotics and Automated Welding**

**Course Description:** This course introduces students to manual (MA), semiautomatic (SA), machine (ME), automatic (AU), and automated welding. Students study the major factors of establishing a robotic work station. The students also discuss in detail the impact welding robots will have in the future of the welding industry.

#### **Course Title: Surfacing**

**Course Description:** This course teaches students common surfacing applications. Students learn the process for hard facing welding, which includes oxyfuel and arc welding. Students study the procedures for making surfacing welds with GTAW, GMAW, FCAW, and SMAW. They also receive an introduction to thermal spraying and associated processes.

#### **Course Title: Blueprint Reading**

**Course Description:** Students learn blueprints as the medium by which engineers, designers, and drafters relay information to the welder. Students are able to interpret both conventional drafting and specialized welding symbols. Students also learn how to read blueprints through repeated practice.

#### **Course Title: Management and Leadership**

**Course Description:** The course emphasizes social skills related to the world of work. Students display positive habits and attitudes, as well as the ability to understand employer-employee relationships. Students will also serve as the shop's welding foreman assigning and evaluating daily housekeeping duties, general maintenance, and inventory record keeping.

# Career Orientation Program

The Career Orientation program serves students with special needs to successfully complete a two year shared-time career and technical education program over the course of four years. Students are expected to demonstrate adequate progress in both the hands-on and essential skills components of the program. The Career Orientation cluster classes introduce students to several career pathways.

## Career Orientation Courses

### Trade and Industry Career Cluster

Students in this cluster receive hands-on learning experiences designed to provide an awareness of the conditions and skills that are required for success in career paths in the areas of: automotive technology, auto collision repair, construction, electrical technology, and welding. Students learn about career opportunities through basic hands-on experiences.

### Hospitality and Human Service Career Cluster

Students in this career cluster are exposed to hands-on opportunities related to the areas of allied health, child care and early childhood education, cosmetology, and culinary arts. Students receive hands-on experiences designed to provide students awareness to the conditions and skills necessary for success in each of these career paths.

### Information and Design Career Cluster

The course provides students with an opportunity to explore the computer assisted design and drafting, graphic communications, and information technology. The focus of the learning experiences center around hands-on opportunities.



### Essential Academic and Social Skills Cluster

This course helps students obtain the essential or basic skills they need to succeed in a career and technical education program. Students receive supplemental preparation for the New Jersey High School Proficiency Assessment and may acquire credits in either language arts or mathematics. Students also participate in a leadership training segment, which introduce them to the Air Force Junior ROTC and Law Enforcement and Public Safety programs and give them organizational and leadership skills they need to be successful.

## Program Outcome

Successful students in the Career Orientation program receive specialized training, which will enhance job skills, life skills, study skills, and critical thinking skills. These skills are needed by everyone to provide learning opportunities for the purpose of improving the quality of life, for further education, and for employment. Successful students transition into two blocks of a career and technical education program after the second year of the Career Orientation Program.

# Alumni Spotlight

## Cassie Bowen, Air Force Junior ROTC



Cassie Bowen, a 2003 graduate, participated in the Air Force Junior ROTC at the Career and Technical High School while enrolled full time in the Academy of Biological and Medical Sciences. During her four years in the program, she reached the ranks of Cadet Commander and Cadet Lieutenant Colonel. Cassie earned an associate degree in science from Salem Community College at the same time she graduated from high school. In addition to her participation in the Air Force Junior ROTC drill team and National Honor Society, she was also inducted into Salem Community College's Phi Theta Kappa honor society. Cassie received a resolution from the Salem County Board for Vocational Education for her outstanding academic achievement and her acceptance into the United States Air Force Academy. After high school graduation, Cassie entered the University of the Sciences in Philadelphia, as a junior, to study medical sciences.

## Jeremiah Jamison, Automotive Technology



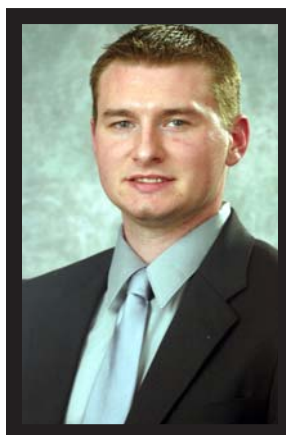
Jeremiah Jamison, a 1997 graduate of SCVTS' Automotive Technology program, is employed as an ASE Master Technician and Shop Manager for Salem County Auto Repair, Inc. After graduating from Salem High School in 1997, Jeremiah worked as an automotive apprentice. He developed a special expertise in diagnosing and repairing problem jobs as well as working with the computer technology found in modern vehicles. Jeremiah's main responsibilities include scheduling appointments, interacting with customers, maintaining professional contracts with suppliers, keeping finances in order, and managing employees. He looks forward to one day owning his own automotive repair business. Jeremiah was named the 2004 SCVTS Alumnus of the Year and is an active member of the Community and Staff Advisory Board. In his spare time, Jeremiah is involved with his church as a junior high youth group leader for sixth, seventh, and eighth grade students.

## Scott Jordan, Computer Assisted Design and Drafting



Scott Jordan graduated from the Computer Assisted Design and Drafting program as a post secondary student in June 2001. A 2000 Pennsville Memorial High School graduate, Scott participated in a cooperative work program with PSEG Nuclear. After completing the CADD program, Jordan entered an approved Federal Bureau of Apprentice Training through the New Jersey Department of Education Apprenticeship program with PSEG. Scott registered for his apprenticeship through the Salem County Apprentice program at the Career and Technical High School and completed his apprenticeship in December 2004. During the 2004-2005 school year Scott received the Crystal Bowl Award for his achievements and was named SCVTS' Apprentice of the Year. He continues to work as a CADD Operator full time for PSEG.

## Joseph Joyce, Culinary Arts and Hospitality



Joe Joyce graduated from the Culinary Arts and Hospitality program at the Salem County Career and Technical High School in June 1999. After graduating as a shared-time student, he attended the Culinary Arts program at Delaware Technical College. He also worked as a sous chef at various restaurants throughout the Delaware Valley. These restaurants included the Hotel DuPont, where he worked in the Green Room (French Cuisine) and the Brandywine Room (American Contemporary Cuisine). Joe was named as SCVTS' 2005 Alumnus of the Year. He has offered his expertise and assistance to SCVTS as a chef on numerous occasions and has made presentations to students enrolled in the Culinary Arts and Hospitality program. Joe currently works as the executive chef at the Delaware Park Country Club's restaurant "At the Rail" and has recently had the opportunity to hire other SCVTS Culinary Arts and Hospitality graduates.

# Clubs and Activities

The Career and Technical High School offers a wide range of social and academic based clubs and

activities for full and shared time students.

The following organizations are available for eligible students. Each promotes a variety of special projects, which enhance career opportunities, leadership, communication, and scholarship.

## **Future Farmers of America (FFA)**

- FFA stresses proper stewardship of natural resources and advancement of agriculture
- Students sponsor fundraising activities and community service projects
- FFA sponsors school dances

## **Health Occupations Students of America (HOSA)**

- HOSA provides students in the Allied Health Professionals program opportunities to develop leadership qualities and meet other students, with similar interests, from around the state of New Jersey
- Student members sponsor and organize a blood drive in conjunction with the American Red Cross

## **National Honor Society (NHS)**

- NHS recognizes outstanding high school students who demonstrate excellence in the areas of Scholarship, Leadership, Service, and Character.
- Inductees for the National Honor Society must be a member of the junior or senior class.
- The eligibility criteria consists of academic, attendance, and behavior requirements

## **National Technical Honor Society (NTHS)**

- NTHS is unique to Career and Technical High School students
- NTHS recognizes student achievement and leadership demonstrated by students enrolled in career and technical education programs
- Inductees for the National Honor Society must be a member of the junior or senior class.
- The eligibility criteria consists of academic, attendance, and behavior requirements

## **National Art Honor Society (NAHS)**

- NAHS recognizes students who have demonstrated an outstanding ability in different areas of art
- Membership in this chapter shall be based upon art scholarship, service, and character.
- NAHS honors students in career and technical and arts, science, and technology



academy programs

## **Student Council**

- Student Council provides an open forum for student expression and develops procedures to ensure fair treatment for individual students
- Elected representatives assist in school management of student affairs and activities
- Students sponsor fundraising activities and community service projects
- Student Council sponsors several school dances

## **Skills/USA**

- Skills/USA is a national organization serving trade, industrial, and technical education students
- This chapter of Skills/USA incorporates leadership, citizenship, character development programs, and activities into the skill training offered at the Career and Technical High School
- Student members are eligible to participate in state, national, and international competition related to their specific vocational or technical program
- Annually students participate in a statewide competition

### **Air Force Junior ROTC Drill Team**

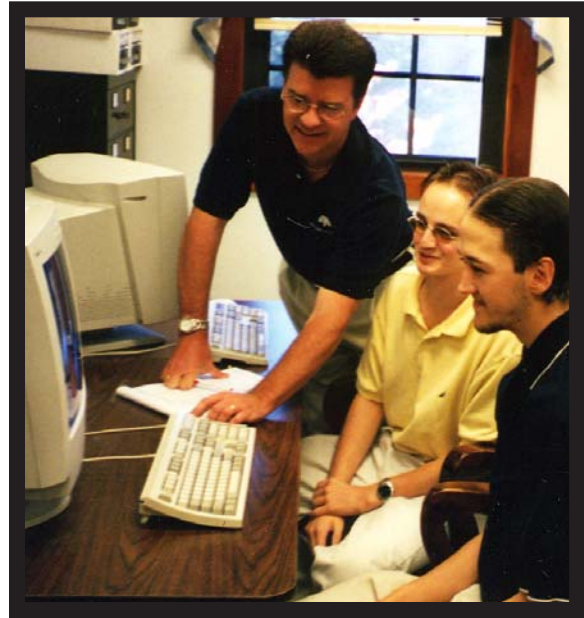
- Air Force Junior ROTC drill team offers cadets the opportunity to exercise leadership and citizenship skills
- The drill team also participates in a number of different activities and events throughout the year
- Students from the drill team also serve as guides and greeters for distinguished visitors to the Career and Technical High School

### **Tech Prep**

Tech Prep, a nationally recognized program, helps students enter the workforce with a high level of training and education leads to career advancement and high paying careers. Fully accredited by the Middle States Association of Schools and funded by the New Jersey Department of Education, Tech Prep offers students the chance to increase skills, earn college credits, and plan for exciting career opportunities. Tech Prep classes combine career, technical, and academic subjects in an integrated, applied manner, and helps students identify specific educational and career goals. The Tech Prep program offered by SCVTS and it partners enables students to earn college credits, tuition-free, while still in high school.

### **Youth Transition To Work (YTTW)**

Salem County's Youth Transition To Work (YTTW) Apprenticeship Program offers an effective transition to the workplace for high school students. As an apprentice the student establishes a relationship with their employer during which they are trained in highly skilled occupations. Apprentices are full time employees, receiving wages and working under the supervision of experienced workers known as journey workers or mentors. To become an apprentice, a student that is 16 years or older must sign the pre-apprenticeship agreement, excel in classroom and work-based learning, and hire on with an employer. Upon completion of the apprenticeship program the apprentice will achieve journey worker status and receive the two completion certifications from the United States Bureau for Apprenticeship and Training and from the New Jersey Department of Education.



### **Apprenticeship / CO-OP**

The Salem County Career and Technical High School promotes new and existing apprenticeship opportunities for high wage, high skill, and labor-demand jobs.

Approximately 800 occupations are currently recognized as apprenticeable. In New Jersey apprenticeships are jointly registered and approved by the federal Bureau of Apprenticeship Training, the NJ Department of Labor, and the County Apprenticeship Coordinator.

To become an apprentice, a candidate must be 16 years or older, sign a pre-apprenticeship agreement and excel in the classroom and work-based learning. Employment is then made in ones technology with an employer who agrees to the apprenticeship and all apprenticeship requirements.

Apprenticeship requirements include 2000 hours per year of supervised on-the-job training and 144 hours per year of approved related instruction. Upon completion of an apprenticeship, a student will receive a certificate of completion from both the New Jersey State Department of Education and the United States Department of Labor.

# Admissions

Any Salem County student can apply for admission to any program at the Salem County Career and Technical High School. Career and technical programs are offered through both full and shared time options. Tuition is free to county residents and transportation is provided by the resident school district.



There are several ways to obtain an application, in addition to this catalog. Applications can be retrieved from the school's website at [www.scvts.org](http://www.scvts.org). You can request an application from your home school guidance counselor or call the Salem County Career and Technical High School's Supervisor of Student Information Services at (856) 769-0101, ext. 374.

Applications are generally submitted during the school year prior to the year they plan to attend the Career and Technical High School.

Once the Career and Technical High School Student Services unit receives an application, copies of the student's grades and records are requested from their home school. Admission will be based on a review of the student's current and previous school year's grades, attendance, and most recent standardized test scores. Admission tests will be scheduled through the Career and Technical High School Student Services unit.

For more information about the admissions process, call the Supervisor of Student Information Services at the telephone number listed above.



Please visit our website at [www.scvts.org](http://www.scvts.org) to find out more information about programs and services at the Salem County Career and Technical High School as well as academy programs offered throughout Salem County.

# Application for Admission

## Salem County Career and Technical High School

PO BOX 350, 880 ROUTE 45, WOODSTOWN, NEW JERSEY 08098

(856) 769-0101, ext. 374 – TELEPHONE • (856) 769-4214 – FAX

### PLEASE PRINT

NAME \_\_\_\_\_ DATE \_\_\_\_\_

(Last First Middle)

Address \_\_\_\_\_

Number and Street

City

State

Zip Code

PHONE NUMBER \_\_\_\_\_ SOCIAL SECURITY # \_\_\_\_\_

DATE OF BIRTH \_\_\_\_\_

MOTHER'S/GUARDIAN'S NAME \_\_\_\_\_

HOME TELEPHONE \_\_\_\_\_ BUSINESS TELEPHONE \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_ CELL PHONE \_\_\_\_\_

FATHER'S/GUARDIAN'S NAME \_\_\_\_\_

HOME TELEPHONE \_\_\_\_\_ BUSINESS TELEPHONE \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_ CELL PHONE \_\_\_\_\_

### EMERGENCY CONTACT INFORMATION

#### FIRST CONTACT:

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

DAYTIME PHONE NUMBER \_\_\_\_\_ RELATIONSHIP TO APPLICANT \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_ CELL PHONE \_\_\_\_\_

#### SECOND CONTACT:

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

DAYTIME PHONE NUMBER \_\_\_\_\_ RELATIONSHIP TO APPLICANT \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_ CELL PHONE \_\_\_\_\_

PHYSICIAN'S NAME \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_

Completion of this section is voluntary. Ethnic information is required by the U.S. Office for Civil Rights. The Salem County Vocational Technical School District offers equal opportunity to qualified individuals, regardless of age, color, national origin, race, gender, marital status, sexual orientation, or handicap.

#### Please check one:

Caucasian \_\_\_\_\_ Hispanic \_\_\_\_\_ Asian \_\_\_\_\_ Other \_\_\_\_\_

African American \_\_\_\_\_ American Indian \_\_\_\_\_ Pacific Islander \_\_\_\_\_

# Application for Admission

## Educational Background

Where do you currently go to school? \_\_\_\_\_ Grade Next Fall \_\_\_\_\_

Have you ever attended the Salem County Vocational Technical Schools? \_\_\_ Yes \_\_\_ No

If yes, what program? \_\_\_\_\_

Are you enrolling in a full-time program or a shared-time program? \_\_\_\_\_ Full-time program \_\_\_\_\_ Shared-time program

### Program Offerings:

- |                                                                      |                                                                       |                                                                                   |
|----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <input type="checkbox"/> Air Force Junior ROTC                       | <input type="checkbox"/> Computer Assisted Design and Drafting (CADD) | <input type="checkbox"/> Graphic Technology                                       |
| <input type="checkbox"/> Allied Health Professionals                 | <input type="checkbox"/> Construction Technology                      | <input type="checkbox"/> Information Technology<br>Computer Hardware and Software |
| <input type="checkbox"/> Auto Collision Repair<br>Technology         | <input type="checkbox"/> Cosmetology                                  | <input type="checkbox"/> Law Enforcement and Public<br>Safety                     |
| <input type="checkbox"/> Automotive Technology                       | <input type="checkbox"/> Culinary Arts and Hospitality                | <input type="checkbox"/> Welding Technology                                       |
| <input type="checkbox"/> Child Care and Early<br>Childhood Education | <input type="checkbox"/> Electrical Technology                        |                                                                                   |

Are you interested in participating in the Air Force Junior ROTC program as an elective? \_\_ Yes \_\_ No

### Please indicate how you learned about Salem County Vo Tech:

- |                                                |                                                              |
|------------------------------------------------|--------------------------------------------------------------|
| <input type="checkbox"/> High School Counselor | <input type="checkbox"/> CTHS Student Information Supervisor |
| <input type="checkbox"/> CTHS Counselor        | <input type="checkbox"/> Newspaper                           |
| <input type="checkbox"/> Media                 | <input type="checkbox"/> Friend                              |
| <input type="checkbox"/> Family                | <input type="checkbox"/> Parent                              |
|                                                | <input type="checkbox"/> Other, Explain _____                |

To be completed and signed by parent/guardian if under 18 years of age:

### PARENT/GUARDIAN RELEASE AUTHORIZATION

I hereby authorize and direct my son's/daughter's resident school district to make available all scholastic, health, and child study team evaluations to the Salem County Vocational Technical School District.

I give the Salem County Vocational Technical School District permission to photograph and/or videotape my child for promotional purposes.

\_\_\_\_\_ Yes \_\_\_\_\_ No

I give the Salem County Vocational Technical School District permission to publish my child's photo and/or videotape on their website for promotional purposes.

\_\_\_\_\_ Yes \_\_\_\_\_ No

PARENT/GUARDIAN SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

STUDENT SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_

### COMPLETE THIS APPLICATION AND RETURN IT TO:

**Supervisor of Student Information Services**  
**Salem County Vocational Technical Schools**  
880 Route 45, PO Box 350  
Woodstown, NJ 08098

or call (856) 769-0101, ext. 374, or email [admissions@scvts.org](mailto:admissions@scvts.org) for more information

**The Salem County Vocational Technical School District offers equal opportunity to qualified individuals, regardless of age, color, national origin, race, gender, marital status, sexual orientation, or handicap.**

# Arts, Science and Technology Academies

## **Academy of Biological and Medical Sciences – Career and Technical High School**

This academy is for students interested in mathematics, physics, biology, chemistry, medicine and science. The academy provides students with a full range of medical and biological sciences career experiences through mentoring and externship experiences with community and business partners at various medical and science facilities throughout the region.

## **Academy of Engineering and Technologies – Penns Grove High School**

This program is for students who are talented and truly interested in the sciences, technology and, engineering fields. The focus of the program is to prepare students for life-long learning as responsible, creative, problem-solving adults. This program offers a rigorous curriculum for students in grades nine through twelve. It is designed to provide a career pathway to further education in the engineering sciences.

## **Academy of Communications and Information Technology – Woodstown High School**

The curriculum is designed for students interested in the field of communications, public relations, and the radio, television, and film industries. Emphasis is placed on writing skills essential to media production, news reporting, documentation, and developing audience appeal. Feature writing, public speaking, and various types of creative writing are explored, as well as, audio and visual production, print media, advertising, public relations, law, and ethics.

## **Academy of Creative and Performing Arts: (Pennsville Memorial High School and Arthur P. Schalick High School)**

**Dance – Schalick High School**

**Drama – Schalick High School**

**Instrumental Music – Pennsville Memorial High School**

**Visual Arts – Schalick High School**

**Vocal Music – Pennsville Memorial High School**

## **Academy of Culinary Arts and Hospitality - Career and Technical High School**

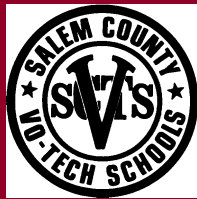
The curriculum is designed to provide entry level workforce skills while providing opportunities for students to receive advanced standing and eligibility for collegiate credits at a variety of institutes, colleges, and universities. Students will be expected to demonstrate individuality, creativity, and flexibility in the application of theoretical and practical culinary skills. In an exemplary learning environment, students will select and prepare a variety of dishes and specialty items based upon their nutritional value, appearance, taste, texture, and aroma. In addition, customer service and satisfaction techniques that meet and exceed industry standards will be infused throughout the curriculum.

## **Academy for Energy, Power Generation, and Distribution - PSEG Training Facility (Salem)**

This academy program is offered through SCVTS in partnership with PSEG Nuclear, Atlantic City Electric, South Jersey Gas, and Salem City Schools. The Academy for Energy, Power Generation, and Distribution is a highly focused program in which applied learning opportunities are the basis for the student's educational experience. Students may be assigned a mentor and a business and higher education advisory committee representative of the energy field will work with the academy program. Students are expected to complete all their high school requirements by January of their senior year and will have an internship or senior experience with a partner company.

## **Academy of Graphic Design in Multi Media Technology – Pennsville Memorial High School**

The curriculum is designed for students who are interested in pursuing careers and further education in multi-media design, desktop publishing, and commercial graphic design. Emphasis is placed on computer-generated applications and software in the arts field. Student projects include consumer package design, record package design, political poster design, quarter to full-page advertisements, the study of typography, slide presentations, personal business cards, and book jacket design.



[www.scvts.org](http://www.scvts.org)

Introducing Opportunities for a Lifetime