

## **Fulton County Center for Career and Technology**

Videos for each program can be found at <http://fcavts.org/>

### **AUTOMOTIVE TECHNOLOGY**

Automotive Technology is a program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of small trucks and automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drivetrains, heating and air condition systems. Students may earn certifications from Ford Motor Company, SP/2 and a Pa State inspection license.

Graduates of this program are prepared for employment in the automotive repair industry or may pursue more specialized training through post-secondary education.

### **ALLIED HEALTH PROFESSIONS**

Allied Health program students prepare for the healthcare field through a multitude of skill training obtained through three different levels. This encompasses Basic Nursing Skills, Medical Terminology, Phlebotomy Skills, EKG Technician Skills, Pharmacy Technician Skills, Medicinal Math, Nurse Aide Certification, Clinical Rotations and independent study activities. The program of study will provide a broad overview of health care delivery, allow career exploration into a variety of medical fields and place an emphasis on the student's chosen field of study.

In their second year, students will do the Nurse Aide training and take the state competency exam to be placed in the PA Nurse Aide Registry. This course includes clinical hours at the Fulton County Medical Center.

### **COMPUTER NETWORKING AND REPAIR TECHNOLOGY**

An instructional program that focuses on the design, implementation and management of linked systems of computers, peripherals and associated software that provides individuals with the technical skills required to support networks and network users. This program includes instruction in network technologies and standards, system design, architecture, operating systems, security, communications protocols, client support, messaging services, network management, troubleshooting and server optimization.

## **CONSTRUCTION TRADES**

Construction Trades program students will learn the traditional trade of building construction. Students will study all aspects of construction including framing and finishing, carpentry, plumbing, masonry and electricity. This program includes work on building construction projects on and off campus. Students will be required to read architectural blueprints related to specific projects.

Graduates of this program are prepared for employment in the construction fields or may pursue more specialized training through an apprenticeship and/or post-secondary education.

## **DRAFTING AND DESIGN TECHNOLOGY**

Drafting and Design Program students will apply technical knowledge and skills as each relates to creating, planning, preparing and interpreting drawings and sketches in various architectural, engineering, manufacturing and construction fields. In this program, students will learn the basics of board drawings and then progress to Computer-Aided Drafting (CAD), 3D design, rapid prototyping and virtual reality (VR). Drawings will include technical details of products and structures from all applicable views. Students will also create multi view assembly and subassembly drawings as required for manufacture, construction and repair of mechanisms. Drafting requires a creative ability as well as attention to detail in the production of drawings. This discipline involves a great deal of teamwork and time management.

## **VETERINARY ASSISTANT**

Veterinary Assistants care for the well-being of animals by doing routine tasks under the supervision of veterinarians and technicians. This 3-year preparatory program connects classroom theory and laboratory experiences in areas including overall care of small animals, assisting with surgical procedures, proper nutrition and basic grooming techniques, laboratory procedures, animal husbandry, maintenance of medical records, and client relations. Upon graduation, students will be prepared for entry-level employment or post-secondary education.

## **WELDING TECHNOLOGY**

Welding is essential to the expansion and productivity of our industries. Welding has become one of the principal means of fabricating and repairing metal products. It is impossible to name an industry, large or small, that does not employ some type of welding. The welding program provides classroom and laboratory experiences in safety (shop, hand tools, and equipment), shielded metal arc welding (SMAW), air carbon arc gouging (ACAG), gas metal arc welding (GMAW), gas tungsten arc welding (TIG), plasma arc cutting (PAC), blueprint reading and metal identification. Students will also receive information and hands-on training for welding certification.