

**Auto Body/Collision Repair Program:** Prepares the student to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students will learn to examine damaged vehicles and estimate cost of repairs, remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

**Automotive Technology Program:** Provides the student with practical instruction in the diagnosis, repair, and adjustment of all phases of the automobile. Instruction will also be given on the use of up-to-date equipment used in areas such as analyzing, fuel injection, ignition, electrical controls, ABS braking systems, computer engine controls, four-wheel alignment, and State Safety Inspection. Upon successful completion of this program, the student will be able to test for a State Inspection Mechanic license, and may seek entry level employment as an automotive technician, automobile salesperson, garage salesperson, service manager, parts salesperson, or service writer.

**Building Property Maintenance Program:** Students will experience hands-on training as well as classroom theory in Basic Residential Wiring, Plumbing, and Heating. During the first year, the student will practice developing basic skills by installing common electrical circuits, fixtures, and equipment as well as basic carpentry skills. The second year will consist of practice in joining common piping systems, fixtures, and equipment. Advanced plumbing systems will be installed during the third year. The student will also practice basic skills needed to install, maintain, and troubleshoot residential oil fired hydronic systems and forced warm air systems. The student will also practice basic skills in the areas of stick arc welding, oxyacetylene cutting, welding, and brazing.

**Carpentry and Cabinetmaking Program:** Students will study a number of related areas so that they will possess adequate entry level skills to work in the area of building construction. The carpentry unit, for example, gives actual experience in layout, cutting and fitting wood members, rafter cuts, roof or platform framing, and selection of general building materials. The students will also hone their skills completing carpentry projects and working at the on-site house construction project. Upon successful completion of this program, the student may seek employment as an apprentice cabinetmaker, materials salesperson, roofer, rough carpenter, sheetrock installer, framer, or siding installer.

**Cosmetology Program:** Prepares the student to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized.

**Food Management/Production/Services:** Through lecture and cooking demonstrations, the student will learn the techniques of fine cooking. Classes will cover the basics of cooking and baking and the provisions used to create effective and elegant menus for the most discriminating palate. With instructor supervision, the students will then hone these skills by operating their on-site restaurants, "A Touch of Class" and The Serfass Solarium. The restaurants offer the students the opportunity to culminate all laboratory experiences as they rotate through all positions in management, production, and services perfecting skills and techniques. Upon successful completion of this program, the student may seek employment as a baker, cashier, caterer, chef, host, hostess, line cook, restaurant manager, salad maker, short-order cook, dining room service personnel, or any of the vast number of culinary positions. They may continue their restaurant management education in the hotel restaurant management or culinary arts fields.

**Health/Medical Assisting Program:** This program is a combination of subject matter and experiences designed to prepare individuals for entry-level employment in a minimum of three related health occupations under the supervision of a licensed health care professional. Instruction consists of core course content with clinical experiences in one or two health related occupations. The core curriculum consists of planned courses for introduction of health careers, basic anatomy and physiology, and medical terminology. Additional content includes:

legal and ethical aspects of health care and communications and at least three planned courses for the knowledge and skills for the occupational area such as medical assisting, ward clerk, nursing assisting, pharmacy technician, EKG Technician, etc. Students may also continue their education in a post-secondary/college environment.

**Criminal Justice/Police Science:** This program will prepare students in the basics of security procedures and operations. Students will learn criminal and procedural law, search and seizure, vehicle and traffic laws, court systems, investigative work, corrections, juvenile justice, probation and law enforcement communications. In addition, a mock crime scene is on site and incorporated into the students program of study.

**Vehicle Maintenance and Repair (Small Engines):** This program prepares students to apply technical knowledge and skills to repair, service, maintain and diagnose problems on a variety of small internal-combustion gasoline engines and related systems used on portable power equipment such as lawn and garden equipment, chain saws, outboard motors, rototillers, snowmobiles, lawn mowers, motorcycles, personal watercraft and pumps and generators. This program includes instruction in the principles of the internal-combustion engine and all systems related to the powered unit. Instruction also includes the use of technical and service manuals, state inspection code, care and use of tools and test equipment, engine tune-up/maintenance, engine overhaul, troubleshooting and diagnostic techniques, drive lines and propulsion systems, electrical and electronic systems, suspension and steering systems and service operations and parts management.

**Welding Technology Program:** This program prepares students to apply technical knowledge and skills in gas, arc, tig, shielded and non-shielded metal arc, brazing, flame cutting, plasms cutting and plastic welding. Hand and semi-automatic welding processes are also included in the instruction. Students will learn safety practices, types of electrodes and welding rods; properties of metals, welding symbols, blueprint reading, use of equipment for testing of welds by destructive and non-destructive methods, use of manuals and specification charts, use of hand and portable power tools, use of metal fabricating equipment, and welding standards established by the American Welding Society, American Society of Mechanical Engineers and the American Petroleum Institute. Students will receive OSHA safety training and have the opportunity to become AWS Certified Welders.

**SOAR:** SOAR stands for *Students Occupationally and Academically Ready*. The SOAR program articulates skills and tasks gained at the high school level to course credit earned in a postsecondary (college) degree, diploma or certificate program. In order to qualify for SOAR credits, a student must main a 2.75 GPA in their program area, score Competent or Advanced on their NOCTI exam, and complete all competencies on their task grid in the Advanced or Proficient range. For more information, please visit: <https://www.education.pa.gov>