

Delaware County Technical School Courses

960AH 3.0 Credits	Health Sciences 2 Semesters	This course includes anatomy and physiology, medical terminology, nutrition, medical procedures, emergency and clinical care, and health care issues. The Health Sciences curriculum is a foundation for all health career pathways in which students may choose to train for a Clinical Medical Assisting certification or a Nursing Assistant certification in their senior year. This program provides opportunities to gain experience in real life situations. Students can learn to feed, bathe, care for patients and monitor patient vitals.
960AT 3.0 Credits	Automotive Technology 2 Semesters	DCTS has the distinction of being among a small number of schools and colleges to be selected to participate in the AYES program, a partnership with General Motors, Daimler Chrysler, BMW, Honda, Hyundai, Subaru, Toyota, Mitsubishi Motors, Nissan, Volkswagen, Audi and Mercedes Benz corporations. This program gives DCTS students a competitive edge by allowing them to work directly on new cars with technicians experienced in the field and at dealerships.
960 BMT 2 or 3 Credits	Biomedical Technology & Laboratory Sciences	This program is for students interested in pursuing careers in pathology, biomedical engineering, genetics, medical technology, molecular and cellular biology. This program provides students with the knowledge and hands on experience necessary to be successful in medical technology and laboratory science careers. Students will use state of the art equipment to learn the principles of scientific investigation and how it is applied to agriculture, environmental health, forensics, genetic engineering and medicine. An emphasis will be placed on DNA fingerprinting, polymerase chain reaction, microbiology and immunology. Student leaving this program will have the strong foundation necessary to pursue post-secondary and career opportunities.
960BT 3.0 Credits	Building Trades 2 Semesters	Practical experience and classroom training prepare students enrolled in the Building Trades program to find employment in the construction field or enter a post-secondary institution. Students are taught carpentry, masonry, plumbing, roofing, drywall application, painting and framing/finishing.
960CA 3.0 Credits	Culinary Arts 2 Semesters	Culinary Arts prepares students for success in our nation's number one employer, the food service and hospitality industry. Students are taught food preparation, dining service, inventory control, safety, sanitation and management skills. Our students also learn food nutrition, healthy cooking, equipment identification, use of hand tools and culinary vocabulary.
960CM 3.0 Credits	Cosmetology 2 Semesters	The Cosmetology Program is a three-year standards-based education program. The 1250 hours required for this course are earned when a score of 80% or above is achieved for each individual unit, which includes both theoretical and hands-on

		training. Students learn haircutting, coloring, manicuring, facials, hairstyling, and shampoo techniques and treatments.
960CN 3.0 Credits	Computer Network and Digital Forensics 2 Semesters	This course is designed to provide a broad background in the nature of electricity, the operation and application of electric circuits, and the physics of electric current flow.
960CP 3.0 Credits	Carpentry 2 Semesters	The Carpentry program prepares students for employment in residential home remodeling and light commercial construction industries. The curriculum covers the use of hand and power tools, blueprint reading, estimating and scheduling of construction operations. Students are introduced to concrete form building, placing, reinforcing and finishing.
960CR 3.0 Credits	Collision Repair 2 Semesters	DCTS's Collision Repair Technology course is based on an occupational analysis of the auto body field and reflects the job requirements of ICAR (Inter-Industry Conference on Auto Collision Repair) and the Automotive Collision Technology standards. Using state-of-the-art equipment, students are taught MIG welding/cutting, metal repair, corrosion protection, masking, refinishing, undercoating, unibody inspection and detailing.
960DO 3.0 Credits	Dental Occupations 2 Semesters	Students who enroll in the Dental Occupations Program learn a variety of skills that will enable them to become a dental assistant, dental laboratory technician, and/ or pursue a career as an Expanded Function Dental Assistant (EFDA), or dentist. There is a focus on patient centered care in support of improving oral health as a key to personal health and well-being. The major areas of study in this program include: dental radiology, oral pathology, chair-side dental assisting, anatomy and physiology, dental materials, sterilization, and dental office business procedures. Students will be introduced to Dental Anatomy, Dental Charting Systems, Infection Control Procedures, Dental Instruments and Procedures for General Dentistry, Chairside Assisting Techniques, and Radiology Basics. As students continue in this program, they receive more lectures on advanced dental anatomy, dental software programs, dental specialties, prep for certified dental assisting and radiology Board Exams.
960EC 3.0 Credits	Early Childhood Education 2 Semesters	The Early Childhood Education (ECE) program prepares students to work with young children in a variety of settings that require an understanding of how children grow, learn and develop. The curriculum is aligned with the National Child Care Association's core of 15 "Professional Abilities."
960EP 3.0 Credits	Emergency and Protective Services 2 Semesters	The Emergency and Protective Services (EPS) program offers a comprehensive public safety education to students interested in pursuing a career or volunteering in the emergency medical, law enforcement, fire, security, industrial safety or emergency management services.

960ER 3.0 Credits	Engineering and Robotics 2 Semesters	This program prepares students for high-demand, life sustaining, STEM careers in the engineering and advanced manufacturing fields. Students have the opportunity to take an invention from concept to design to production by utilizing hi-tech equipment such as 3D printers and after Computer Numerical Control (CNC) machine. This comprehensive curriculum covers topics such as engineering philosophy, principles, ethics, safety and quality control. Students learn a variety of topics, including computer-aided design, electronics, hydraulics, mechanical drawing, robotics, and precision measurement.
960ETS 3.0 Credits	Exercise Therapy/ Sports Science 2 Semesters	
960HV 3.0 Credits	Heating, Ventilation, Air Conditioning and Plumbing 2 Semesters	This course prepares students to apply the technical knowledge and skills necessary to install, repair and maintain commercial, industrial and residential heating, air conditioning and refrigeration systems. The course is taught in compliance with the standards established by the National Association for Testing Excellence (NATE) and the Air Conditioning Contractors of America (ACCA).
960IM 3.0 Credits	Advertising, Design, and Commercial Art 2 Semesters	This program introduces students to visual design, graphic design, and the interaction design industry. In a world where commercial art has never been more relevant, DCTS Advertising Design and Commercial Art offers students a community in which to develop the conceptual foundation and skills needed for admission to a post-secondary institution to refine their skills. Students learn the fundamentals to finish each project at an entry level. They are introduced to the Adobe Creative Cloud and explore media messages in print, electronic, and film. Students learn the fundamentals to finish each project at a beginner level. They explore graphic design, advertising, print design, illustration, interior design, digital photography, and game art & design. Students gain an exceptional amount of knowledge and understanding of creative software such as Photoshop and Illustrator.
960IR 3.0 Credits	Electrical Construction Technology 2 Semesters	The Electrical Construction Technology program introduces students to the basic concepts of residential and commercial wiring. Students install circuits, switches, conductors, circuit breakers and other electrical devices. Skills are taught in compliance with the National Electrical Code (NEC) industry standards.
960LM 3.0 Credits	Logistic and Inventory Management 2 Semesters	Materials and Inventory Control introduces students to the distribution service industry. The course curriculum prepares

		students to work in distribution centers, warehouses, and supply rooms.
960LS 3.0 Credits	Environmental Landscape and Equipment Operations 2 Semesters	As a member of the Landscape & Greenhouse Operations class, students learn the principles and skills that lead to successful careers in the fields of landscape design/maintenance, nursery and greenhouse production/operations, and floral arts.
960MIS 3.0 Credits	Management Information Systems 2 Semesters	Management Information Systems is a series of methods of collecting, compiling, and analyzing large quantities of data to satisfy our society's ever-increasing need for information. The students utilize a state-of-the-art network computer system and its associated peripheral equipment to work on live problems, utilizing business software and object-oriented integrated development environments. Concepts delivered provide the basis of understanding in the area of computer programming and are applicable to business applications, mobile applications, and video gaming. Students will create a relational database, receive instruction in a variety of computer programming languages including writing, testing and debugging code; writing related system user documentation; demonstrating an understanding of core computer concepts to include the internet and the basic functions of business desktop applications; and analyzing common hardware, software and network processes.
960WT 3.0 Credits	Welding Technology 2 Semesters	This program prepares students to apply technical knowledge and skills in gas, arc, shielded and nonshielded metal arc, brazing, flame cutting and plastic welding. Hand, semiautomatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society.
966 3.0 Credits	Honors Medical Careers 2 Semesters	This course is a perfect match for the student interested in the healthcare field, and would like to learn more about available options. In this program the hospital becomes the classroom. Crozer Keystone Health Systems will offer a clinical rotation through different departments. Students will work alongside medical professionals to learn the importance of communication with patients. Classroom instruction will be given on the study of body systems, anatomy, infection control, and process of illnesses

	<p>and injury. Medical terminology and core patient care skills such as taking vital signs, assisting with activities of daily living, and sterile techniques will be taught. This course carries an honors weighted grade.</p>
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