

Machine Tool Technology

Machine Tool Technology is a three-year PDE Approved Program of Study (SOAR) designed to prepare individuals to apply technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds, and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, milling machines, grinders, drills, and computer operated equipment (CNC). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and layout of machine parts. Instruction prepares students to operate all types of hand and computer controlled machines. High school students are strongly encouraged to take math courses, especially trigonometry, and if available, courses in blueprint reading, metalworking, and drafting.

Welding Technology

Welding Technology is a three-year course designed for high school students in Grades 10-12 that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic 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, American Society of Mechanical Engineers and American Bureau of Ships. During a student's junior/senior year, they may participate in a supervised Cooperative Education Work Experience Program with a local business.

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540 East Pleasant Street
Corry, PA 16407-20254
(814)-664-4677

Cooperative Education

Students who major in a Career and Technical Education Program may take part in a paid, on-the job training program their senior year. Employment must be in a skill specific area and related to their career and technical program during the last year of their program for three or four blocks per day.

Diversified Occupations

Diversified Occupations (DO) is for juniors or seniors who meet the age requirements of 17, who are not currently enrolled in a Career and Technical Education Program. This program combines "school-based" classroom study with "work-base", on-the-job training with a local employer at a training site in business, industry, or government. Through this program, students with specific career objectives are matched with related employment experiences while they attend planned periods of related classroom theory during school.

Articulation Agreements

All of Corry CTE's Programs of Studies have various articulation agreements with many college and technical institutions in the state and region. These articulation agreements may help to accelerate a post-secondary degree program.

Skills USA

Skills USA is an organized club geared to unite all those enrolled in a three year program offered at the Career and Technical Center. It helps you to develop leadership skills through participation in educational, occupational, civic, recreational and social activities. It strives to foster a deep respect for work, establishes realistic career goals and tries to attain a purposeful life with enthusiasm for learning. It gives you a wholesome understanding of the functions of labor and management and how it mirrors their involvement in career and technical education.

NOCTI/NIMS Exams

All Career and Technical seniors will take the National Occupation Competency Testing Institute (NOCTI) Exam to earn the PA Skills Certification indicating program competency levels. Students in Machine Tool Technology take the NIMS exam.

Contact Information

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Corry Area School District

Corry Area Career & Technical Education Center

"Your Career Connection"



- **Automotive Technology**
- **Building Maintenance Trades**
- **Cosmetology**
- **Early Childhood Education**
- **Health Care Technology**
- **Machine Tool Technology**
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- **Diversified Occupations**

Health Care Technology

Health Care Technology is a three year program that prepares individuals to apply knowledge and skills in the health occupations. Instruction is provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, but is not limited to foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupations skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Students explore various health care occupations. The three year program will result in several certifications such as CPR and AED. Students will take the Health Assisting NOCTI exam at the end of the three year program.

Automotive Technology

Automotive Technology is a three-year PDE Approved Program of Study (SOAR) for high school students in Grades 10 through 12. Students learn about automotive maintenance and repair. This course is designed to provide a basic understanding of automotive systems, equipment, and industry standards. Students receive extensive theory instruction and actual "hands-on," tactile experience on late model vehicles to prepare them for careers in the high paying, fast changing automotive industry. Students are provided with access to the latest equipment and computer-based reference material. Upon completion of this program, students have the opportunity to take the Pennsylvania State Safety Inspection and Pennsylvania State Emissions Inspection Courses for Certification/Licensing. All CTE seniors take the National Occupation Competency Testing Institute (NOCTI) Exam to receive a PA Skills Certificate indicating the level of proficiency in this program area. Major content areas covered in this program are: safety, pollution prevention, PA State Inspection, PA Emissions Inspection, tire and wheel services, brake system diagnosis and service, scheduled maintenance, fuel system repair, steering and suspension diagnosis and service, drivability diagnoses and repair, and vehicle appearance care.



Building Maintenance Trades

Residential and Commercial Maintenance is a three-year PDE Approved Program of Study (SOAR) course designed for you with emphasis on instruction in the following areas: safety-covers hand and power tools and on-the-job safety; electrical-basic house wiring and troubleshooting, service entrance equipment and basic motor control; plumbing-plumbing power and hand tools, basic residential plumbing, installation of domestic water and drain waste vent systems, and fixture installations; heating and ventilation-installation of hot air furnace and boiler systems; building and installing ductwork from sheet metal.; painting-includes interior and exterior finishes, drywall hanging and finishing; interior decoration-includes texture, tile, wallpaper, and painting; basic carpentry-includes power and hand tools, basic print reading, framing, roofing, flooring, siding, and sheathing; sheet metal work-includes flashing, fascia, and gutters; masonry-concrete work, such as sidewalks, driveways, and foundations; welding-basic stick and MIG welding. Students enrolled in the Construction Maintenance Trades Program will develop skills in both hand and power tools. Through a variety of experiences, they will become familiar with maintenance, repair, and preventive maintenance.



Cosmetology

Cosmetology is a three-year course for students in Grades 10 through 12. Upon demonstrating successful completion of all necessary competencies, all students who successfully complete their 1250 hours of training may take their State Board of Cosmetology Exam. Upon passing their Boards, the students will become licensed and may possibly be able to work as a Cosmetologist. All earned hours accumulated are transferable upon graduation toward post-secondary training. This three-year program will include skills such as hair care, hair cutting, hair coloring, perming, skin and nail care, hair removal, wig services, and micro-dermabrasion. The theory portion will include skin and nail disorders/diseases, chemistry, anatomy, hair structure, and product knowledge. The course will also cover spa treatments along with State Law, professional ethics, sanitation and sterilization, and the business of cosmetology. For a successful career in the beauty industry, training is only the first stage in an ongoing learning process. Image, attitude and the ability to communicate with customers are all essential skills.

Early Childhood Education

Early Childhood Education is a three-year PDE Approved Program of Study (SOAR) for high school students in grades 10 through 12. Early Childhood Education is a college preparatory course that provides hands-on experiences with young children in a laboratory per-school setting. The curriculum incorporates competency-based tasks with classroom knowledge applied to practical, hands-on experiences as students plan, prepare, and operate a Pre-school program for local children. Instruction will be included in all areas such as growth and development, nutrition, program planning and management, safety, behavior guidance, play activities, child abuse and neglect, parent-child personal relationships, learning experiences for children, professionalism, standards, curriculum and assessment, curriculum development, clinical experiences, and job seeking/keeping skills.

The first year of the course teaches theory and Early Childhood Development very similar to first-year education courses at a university. During the 2nd and 3rd year, students will compile a personal career portfolio and will work towards the completion of the CDA-Ready Certificate (or CDA if employed in a licensed daycare facility), pending successful achievement of specific components. A PA Skills Certificate will be awarded to seniors scoring Advanced for Early Childhood Care and Education. Hours will be compiled over the three years and awarded upon graduation, enabling higher, entry-level job positions and pay. Students will be able to work in a variety of childcare jobs including nursery schools, pre-schools, daycare centers, private homes, elementary schools, and institutions. This course provides an excellent background for those students interested in pursuing an Early Childhood and/or Elementary Post-Secondary Degree. Articulation Agreements are in place for several post-secondary institutions pending successful completion of individual agreements.

