

Course Descriptions

Lycoming Career & Technology Center

lycoCTC

2020-2021

Lycoming Career & Technology Center
293 Cemetery Street
Hughesville, PA 17737-1020

LycoCTC Program Offerings

2020-2021

Automotive Technology

Construction Technology

Culinary Arts

Computer Systems Technology

Criminal Justice (Law Enforcement)

Early Childhood Education

Engineering Drafting Technology

Health Careers

Medical Office Administration (anticipated start date 2020 school year)

SPECIAL PROGRAMS

Diversified Occupations (Senior Only)

Co-op Education Work Base Options

College Credit Options

Penn College Courses

Penn College Now (Dual Enrollment) Offerings

AUTOMOTIVE TECHNOLOGY – (2.0 hours/day)

If you are interested in cars and want to repair high tech vehicles, take a closer look at the Auto Tech program. This program, designed for students who would like to work in the automotive service industry, is certified by Automotive Service Excellence (ASE.) The LycoCTC Automotive Technology Program follows the National Automotive Technicians Education Foundation (NATEF) guidelines.

When you enroll in the program, you will learn about performance, computer electronics, engine and chassis diagnoses and repair. Through this program students may acquire a Pennsylvania Automotive State Inspection License, prepare for the Automotive Service Excellence (ASE) Certification, and complete SNAP-ON DVOM Training.

COMPUTER SYSTEMS TECHNOLOGY – (2.0 hours/day)

The field of Information Technology (IT) is broad and ever-changing. Students will be presented with a foundation of computer science concepts including electricity and electronics, computer hardware and operating systems, software applications and programming, networking and telecommunications and much more. Students will also be prepared and provided vouchers to take the CompTIA A+ (Core 1 & 2) and /or Network+ Certification Exam(s) if they so choose.

CONSTRUCTION TECHNOLOGY – (2.0 hours/day)

This program provides students the opportunity to learn skills in the construction field such as: carpentry, masonry, electricity, plumbing, heating, and air conditioning. Students learn safety practices as they relate to using hand tools, power tools and performing tasks in the construction industry. *All students learn to use hand tools, power tools and the safety practices related to their use.*

CRIMINAL JUSTICE – (2.0 hours/day)

The Criminal Justice program is available to high school students who are interested in law enforcement or the military. Through a combination of academic-based instruction and “hands-on” experience, students will acquire the basic skills needed to succeed in a related career field. Some of the areas studied include the criminal justice system, use of force, communication and report writing, patrol functions, crimes code and vehicle code, crime scene investigation, and physical education.

The Criminal Justice program helps to prepare you for a career in private security, law enforcement, corrections, military, or to continue your post-high school education.

CULINARY ARTS – (2.0 hours/day)

Did you ever wonder what it would be like being a chef working in a 5-star restaurant? What about being an executive chef working for a Food Service Corporation? Our program prepares you for higher education and gets you ready to attain your goals you have set for yourself. Our instructor will give you a jump-start on your career goals and help you receive your ServSafe certification.

EARLY CHILDHOOD EDUCATION – (2.0 hours/day)

This program prepares students for employment in early childhood education and childcare services and provides the foundations for study in higher education that lead to early childhood educators and child related careers. The course of study includes but is not limited to: planning and guiding developmentally appropriate activities for young children;

developmentally appropriate practices of guidance and discipline; application of basic health and safety principles when working with young children; overview of management and operation of licensed child care facilities and employability skills.

This course emphasizes learning experiences, which will help students gain knowledge and understanding of the intellectual, physical, social, and emotional development of children from conception to adolescence. The students will have opportunities to apply their understanding about children through participation, observation of children individually and in groups, and planning and evaluating group activities, which meet their needs. It includes instruction in child development and behavior, as well as observations and participation in an actual on-site preschool.

This course provides a solid base for students planning to enter the fields of Occupational Child Care, Para-educator, or Elementary Education. *This program is located at the Ashkar Elementary School in Hughesville.*

ENGINEERING DRAFTING TECHNOLOGY – (2.0 hours/day)

If you are interested in combining your creativity with your interests in the architectural, industrial, or mechanical world, this program could be for you. When you enroll in the Engineering Drafting Technology Program, you work toward successfully moving into architectural, mechanical, or civil engineering careers. In this curriculum you may branch out into other careers such as Precision Machine Technology or Plastics and Polymers. You can assist in the design of our student-built construction projects. These are fully built, successfully designed and completed each year by our students. What could serve as a better hands-on experience?

You can continue your education at a college or university. Your background established here combined with post-secondary education provides you with an excellent foundation for a prosperous career in an engineering related field.

HEALTH CAREERS – (2.0 hours/day)

As the world of medicine and science changes and grows virtually every day, the number of jobs in the health field grows as well. Join the Health Careers program and learn about the exciting world of health care in a productive hands-on learning environment to gain a head-start in the health field. Learn about human anatomy, medical abbreviations and terminology, the skills required for lab and technical employment, and the behind-the-scenes work such as insurance billing and record keeping. The Health Careers Program offers students the opportunity to prepare for a variety of health occupations. Students learn basic health assistant skills in the theory and skills lab within the classroom. Whether you are college bound or seeking employment immediately upon high school graduation, this program will prepare you for a future in the health field. Completion of the Health Careers program is not just educational; the program leads students to rewarding careers in one of today's fastest growing job markets.

MEDICAL OFFICE ADMINISTRATION – (2.0 hours/day) anticipated start date 2020 school year

Are you detailed oriented? Are you good with technology and working with computers? If you answered "Yes" to these questions, you might be interested in our Medical Office Administration program.

There are many ways to be part of the healthcare industry besides being a doctor or nurse. People with medical office training are vital to the American medical system. This program will prepare you for the wide variety of office careers found in doctor's offices, hospitals, and insurance companies.

Students will learn administrative and general duties in a medical office setting, including appointment scheduling, records management, electronic health record maintenance, written communication, medical coding, health insurance management, billing and telephone procedures. In addition, students will learn medical terminology, keyboarding, and related math skills.

Note: for the 2020-2021 school year, enrollment will be limited to seven students per session.

SPECIAL PROGRAMS

DIVERSIFIED OCCUPATIONS (720 hours/year)

This senior only, one year program, resembles a traditional apprenticeship as students gain on the job experience in a career field not offered as a program at LycoCTC.

WORK BASE OPTION

This third year/senior student opportunity allows students to get on the job training in their field at a co-op or internship placement.

COLLEGE CREDIT OPTIONS

This upper level opportunity is based out of the **Pennsylvania College of Technology** (Penn College) for students interested in earning college credits while in high school. Students can earn these credits by attending Penn College courses or by doing coursework at LycoCTC through the Penn College NOW (Dual Enrollment) Program. An agreement between Penn College and LycoCTC makes these courses available.

PENN COLLEGE NOW (Dual Enrollment) COURSE DESCRIPTIONS

Students who are in their third year of select LycoCTC programs may have the opportunity to participate in college courses taught at LycoCTC. To participate students must be recommended by their instructor and pass all Pennsylvania College of Technology entrance requirements. Not all courses are offered every year.

Construction Technology Offers the following PCNow (Dual Enrollment) Options:

Construction Hand and Power Tools BCT103

Survey of hand and power tools typically used to perform construction work. Emphasis on the development of skills needed to effectively perform layout, measurement, cutting, fastening, and finishing operations. Study also includes maintenance of tools and equipment, safe use of hand and power tools, and emerging tool technology. 1 Credit (0 Lecture - 3 Lab)

All LycoCTC classes are aligned with the Pennsylvania Department of Education's Programs of Study (POS) which are state approved career and technical education programs that credit skills and tasks learned in a CTC to a postsecondary degree, diploma or certificate; or an industry recognized certification. Through PDE's *SOAR* program, students can move from high school to college and from college to a high-demand occupation by earning college credit while still in high school. Additional information is available at: <https://www.patrac.org/PA-SOAR-Programs>

For more information or to arrange a visit, please contact:
Lycoming Career & Technology Center's Programs or to arrange a visit, please contact:
LYCOMING CAREER & TECHNOLOGY CENTER
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For more information visit our website: www.lycoctc.org

The Lycoming Career and Technology Center does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Inquiries may be directed to Mr. Eric W. Butler, Executive Director, 293 Cemetery Street, Hughesville, PA 17737-1020 or 570-584-2300, ext 5101