LenapeTech

Education at Work



LENAPE TECHNICAL SCHOOL

Academic Course Descriptions

2026 - 2027

LenapeTech
Education at Work

TABLE OF CONTENTS

ACADEMIC COURSES	
ENGLISH	1
MATHEMATICS	3
SCIENCE	6
SOCIAL STUDIES	10
PHYSICAL EDUCATION / HEALTH	14
ELECTIVES	15
COLLEGE IN THE HIGH SCHOOL	20

TECHNICAL PROGRAMS	
ADVERTISING/DIGITAL TECHNOLOGY	21
ALLIED HEALTH CAREERS	23
AUTOMOTIVE TECHNOLOGY	25
BIOMEDICAL TECHNOLOGY	27
COLLISION REPAIR TECHNOLOGY	29
COMPUTER INFORMATION TECHNOLOGY	31
CONSTRUCTION TRADES TECHNOLOGY	33
COSMETOLOGY	35
CULINARY ARTS	37
LAW ENFORCEMENT INFORMATION TECHNOLOGY	39
NATURAL RESOURCES TECHNOLOGY	41
PRECISION MACHINING TECHNOLOGY	43
SPORTS MEDICINE AND REHABILITATION THERAPY	45
WELDING TECHNOLOGY	46

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Email: weleaut@mylenape.net Telephone: 724-763-7116

ENGLISH 11A & 11B

TRIMESTERS: 2
CREDITS: 0.5 CREDITS EACH TRIMESTER FOR A TOTAL OF 1 CREDIT

COURSE DESCRIPTION
English 11A & 11B is a two [2] trimester course designed to effectively develop communication skills in students. Each course is graded separately. The students will learn to utilize and refine their reading, writing, listening, and speaking skills. Specific skills that are addressed in these courses are speaking, writing of business documents (including letters and resumes), editing skills and critical listening. Students will take part in a mock job interview as part of the course. Vocabulary and journal writing are an integral part of all assignments. A collection of literature and nonfiction/technical readings supplement this course.

HONORS ENGLISH 11

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
Honors English 11 is a two [2] trimester weighted course and will include a variety of material. The students will read an assortment of novels across many genres as well as learn job preparation skills, and writing techniques including MLA format. Students will be evaluated in a variety of ways through participation, summative and formative assessment, and observations. Students will also be required to work in small and large groups to do projects and partake in discussions. They will read and write on topics from advanced American, British, and Contemporary literature. Admission to the course will be based on past grades in English, assessments, and recommendations.

PREREQUISITE
- Admission to the course will be based on past grades in English [students must earn an A average in English 9 and 10 or B or better in Honors English 9 or 10].

ENGLISH 12A & 12B

TRIMESTERS: 2
CREDITS: 0.5 CREDITS EACH TRIMESTER FOR A TOTAL OF 1 CREDIT

COURSE DESCRIPTION
English 12A & 12B is a two [2] trimester course designed to prepare students to enter the job market and post-secondary education in the 21st century. Each course is graded separately. The students will learn to utilize and refine their reading, writing, listening, and speaking skills. Specific skills that are addressed are updating of all business documents, developing leadership and presentation skills, and improving research skills. A research paper and a job skill demonstration, both parts of the senior graduation project, are integral parts of this course. A collection of literature and technical readings supplement this course including poetry, novels, and short stories. This literature demonstrates important aspects of living and working effectively with others.

HONORS ENGLISH 12

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
This two [2] trimester weighted course has been designed to prepare advanced students for the demands of a college course. In addition to meeting or exceeding the requirements of senior technical communications classes, students will analyze advanced U.S. and world literature, poems, stories, essays and novels. The course curriculum encompasses literacy skills needed to succeed in literary analysis papers and discussions at the college level.

PREREQUISITE

- Admission to the course will be based on past grades in English [students must earn an A average in English 11A and English 11B or B or better in Honors English 11], recommendation of past English teachers, and completion of interim assignments.

AP/ADVANCED LITERATURE

TRIMESTERS: 3
CREDITS: 1.5
WEIGHTED COURSE

COURSE DESCRIPTION
AP/Advanced Literature is available on-line available to those student that have completed Honors English 11 and wish to sit for the AP exam. This course meets the Advanced Placement criteria required by the College Board.

PREREQUISITES

- Teacher Recommendation
- Completion of Honors English 11 with a 92% or higher

PRINCIPLES OF ALGEBRA

TRIMESTERS: 2 OR 3
CREDITS: 1 OR 1.5

COURSE DESCRIPTION

Principles of Algebra is designed as an intermediate course between Algebra I and Algebra II for students requiring reinforcement of concepts through the use of real-world applications. Concepts from both courses are studied with emphasis on strengthening skills for future study.

PREREQUISITE

- Algebra I or equivalent

ALGEBRA II

TRIMESTERS: 2 OR 3
CREDITS: 1 OR 1.5

COURSE DESCRIPTION

Algebra II begins with a review of basic terminology, notation, concepts, skills, and applications studied in Algebra I. After the algebraic properties and applications have been explored, the fundamental operations of polynomials are reviewed and extended. Operations with complex numbers, linear, exponential, and logarithmic functions are presented. Equations with singular and multiple variables are solved. Patterns and the continuation of data analysis are explored. Concepts, structure, precision of language, and the inductive reasoning approach are stressed. This course is designed to give a sound basis for further study of more advanced mathematics.

PREREQUISITE

- Algebra I

GEOMETRY

TRIMESTERS: 2 OR 3
CREDITS: 1 OR 1.5

COURSE DESCRIPTION

Geometry introduces the study of points, segments, triangles, polygons, circles, solid figures, and their associated relationships as a mathematical system. Emphasis is placed on solving real-world applications of geometric concepts, often using algebraic properties as well. Algebra I and logical reasoning skills are used throughout the course. Topics include but are not limited to similarity and congruence, logical reasoning/writing proofs, analytic and coordinate geometry, comparing and using angle measurements of both two and three dimensional objects.

PREREQUISITE

Algebra I

APPLIED TECHNICAL MATH

TRIMESTERS: 2
CREDITS: 1

COURSE DESCRIPTION
This math class will reinforce algebraic and basic geometric concepts. Students will be reviewing key mathematical concepts in order to solve problems they would encounter in their technical areas. Only seniors will be eligible to enroll in this course and must have a recommendation from their math instructor. This course will allow for adaptations and modifications to accommodate special education student needs as per their IEP.

PREREQUISITES
- Seniors Only
- Completion of Algebra I, Principles of Algebra, Algebra II or Geometry
- Teacher Recommendation Required

STATISTICS

TRIMESTERS: 2
CREDITS: 1

COURSE DESCRIPTION
Statistics is designed for students who have completed Algebra I and Algebra II. This course develops quantitative literacy by introducing students to the collection, analysis, and communication of data. Students explore descriptive and inferential statistics, probability concepts, and common probability distributions, including Z, t, F, and chi-square. The course prepares students to apply statistical reasoning to research and real-world decision-making.

PREREQUISITE
Algebra II

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

TRIGONOMETRY

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
This course is designed for students who have successfully completed Algebra 1, Algebra 2, and Geometry. The course focuses on trigonometric functions and their graphs, right triangle trigonometry, and the study of exponential and logarithmic functions. Students will develop problem-solving skills, strengthen mathematical reasoning, and apply trigonometric concepts to real-world and mathematical situations, building a strong foundation for advanced mathematics and technical or college-level coursework.

PREREQUISITES
- Algebra II and Geometry

CALCULUS

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
Calculus is a college preparatory course basic to the further study of mathematics, engineering, and the physical sciences. It includes the study of coordinates and related variables, polynomials, and their graphs, differentiation of functions with applications, and integration of functions with applications.

PREREQUISITES
- Trigonometry

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

AP/ADVANCED CALCULUS ONLINE

FULL YEAR
CREDITS: 1.5
WEIGHTED COURSE

COURSE DESCRIPTION
AP/Advanced Calculus Part 1-3 is available online to those students who have completed Trigonometry and wish to sit for the AP exam. This course meets the Advanced Placement criteria required by the College Board. Successful completion of both Part 1 and Part 2 of this course is required for students to earn the AP designation.

PREREQUISITE
- Trigonometry [92% or higher]

APPLIED BIOLOGY/CHEMISTRY

TRIMESTERS: 3
CREDITS: 1.5

COURSE DESCRIPTION

Applied Biology/Chemistry is a science course that focuses on the practical application of chemical and biological concepts and theories to industry, technology, and everyday life in the real world. Students will be provided the opportunity to investigate practical application of the concepts of biology and chemistry. The core curriculum will be applied to medicine and health practices, forensic studies, food science, transportation and auto technology, environmental concerns, household products, exploration of a science topic of personal interest, and science related careers. The first half of the course covers biology content [ecology, chemistry of life, cells in living organisms, nucleic acid and protein synthesis, genetics and inheritance]. The second half of the course covers chemistry content [classifications of matter, atomic structure, periodic trends, atomic emission spectra, bonding and nomenclature]. Both trimesters utilize laboratory investigation and integration of career areas.

PREREQUISITES

- Biology I

APPLIED CHEMISTRY

TRIMESTERS: 2
CREDITS: 1

COURSE DESCRIPTION

Applied Chemistry is a science course that focuses on the practical application of chemical concepts and theories to industry, technology, and everyday life in the real world. Students will be provided the opportunity to investigate practical application of the concepts of chemistry. The core curriculum will be applied to medicine and health practices, forensic studies, food science, transportation and auto technology, environmental concerns, household products, exploration of a science topic of personal interest, and science related careers. The course covers chemistry content [classifications of matter, atomic structure, periodic trends, atomic emission spectra, bonding and nomenclature]. Both trimesters utilize laboratory investigation and integration of career areas.

PREREQUISITES

- Seniors Only
- Biology I

BIOLOGY II

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
Biology II is an inquiry driven study of advanced biological topics. The class includes an in-depth study of comparative anatomy and physiology, advanced genomic studies, evolution, and biochemical metabolic processes. The course was designed for those students with an interest in the biological sciences and those students who plan to further their careers in medicine, research, pharmacy, or other science fields. Through the inquiry driven curriculum, students will gain practical knowledge of laboratory skills, including scientific measurement, experimental design, evaluation of data, and analyzing scientific journals. Both trimesters utilize integration of career areas.

PREREQUISITE
- 77% or above in Fundamentals of Biology or equivalent

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

CHEMISTRY I

TRIMESTERS: 3
CREDITS: 1.5

COURSE DESCRIPTION
Chemistry I provides an introduction to the science of chemistry which is the study of matter and energy and the changes they undergo. It is designed as a college preparatory course to provide an adequate background for students to enter introductory level college chemistry curricula. The topics covered in this course include the following: Matter and Energy, Scientific Measurement and Calculations, Moles and Stoichiometry, Atomic Structure, Electron Configurations, Ionic and Covalent Bonding, Ionic and Covalent Nomenclature, Chemical Equation Types, Balancing Chemical Equations, Chemical Reactions.

PREREQUISITE
- Completion of Algebra I

MEDICAL CHEMISTRY

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
Medical Chemistry is an organic-chemistry-based discipline designed to build on the skills learned by students in their first-year chemistry course as they apply to medical science. It is designed to provide the student with a comprehensive background in the chemistry of the allied health professions. Topics and laboratory applications covered in this course include a review of basic chemistry applications, an emphasis in biochemistry, organic structure, nomenclature and conformations, reactions of organic chemicals as they apply to human physiology and medicine/drug analysis. Included in the topics will be acid/base reactions, titrations, and solution chemistry. Pharmacokinetics (the chemical kinetic study of drug absorption, distribution, metabolism and excretion) and Pharmacodynamics (the chemically related response from the body to drugs and the drugs mechanism of action) will be a central part of the course. The course includes more detailed and involved class and laboratory work in these and other areas than that provided in basic chemistry courses.

PREREQUISITE
- 77% or above in General Chemistry or Chemistry I course

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

CHEMISTRY II

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
Chemistry II is an extension of the chemistry program for those students who have demonstrated a special aptitude and/or interest in Chemistry. The course is taught at the community college level and is designed to expand the problem-solving and laboratory skills acquired in a first year Chemistry course. The following topics are covered within this course: a review of basic chemistry, advanced chemical nomenclature, Born – Haber Cycle involving lattice energy calculations, continuation of chemical bonding principles, advance acid/based chemistry, chemical reactions along with oxidation / reduction reactions, solutions chemistry, chemical equilibrium along with introductory organic chemistry, biochemistry and analytical chemistry.

PREREQUISITE
- 85% or above Chemistry I or Medical Chemistry

TECHNICAL SCIENCE

TRIMESTERS: 2 OR 3
CREDITS: 1 OR 1.5

COURSE DESCRIPTION
Technical Science teaches students about technology through hands-on learning and design projects. Students learn to use tools, materials, energy, and information to solve real-world problems. The course covers seven areas: agriculture, construction, energy conversion, information and communication, manufacturing, medical, and transportation technologies. This course helps career and technical students understand the technology in their field and how to use it safely.

PHYSICS

TRIMESTERS: 2
CREDITS: 1
WEIGHTED COURSE

COURSE DESCRIPTION
Physics is the study of the way the universe works. Conceptual understanding of the subject will be emphasized. Classroom activities will incorporate laboratory experiments. The topics covered include motion, forces, gravity, energy, and momentum. The course may also include a study of heat, fluids, waves, sound, light, optics, electricity, magnetism, and/or atomic structure. This is a fast-paced course that teaches problem-solving techniques using mathematics as a tool and improves critical thinking skills.

PREREQUISITE
- Algebra II
- Concurrent enrollment in or completion of Trigonometry

AP/ADVANCED BIOLOGY ONLINE

TRIMESTERS: 3
CREDITS: 1.5
WEIGHTED COURSE

COURSE DESCRIPTION
AP/Advanced Biology is available on-line available to those student that have completed High School biology and wish to further their education in the field of Biology. This course meets the Advanced Placement criteria required by the College Board. Students completing the course may sit for the AP exam.

PREREQUISITE
- Biology and Chemistry [92% or higher]
- Teacher Recommendation

COMPREHENSIVE AMERICAN GOVERNMENT

TRIMESTERS: 2
CREDITS: 1

COURSE DESCRIPTION
Comprehensive American Government introduces students to the foundations, structures, and functions of government in the United States. Students will compare major forms of government and examine the system established by the U.S. Constitution. The course emphasizes the roles and powers of the three branches of government, the system of checks and balances, and the principles of federalism and democracy. Students will also explore the election process, civic participation, and the rights and responsibilities of citizens at both the national and state levels, including Pennsylvania. Comprehensive American Government is a one credit, two trimester required course, for all first-year part time students who have not previously completed an American Government course or its equivalent.

COMPARATIVE CULTURES

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This course gives students the opportunity to examine, compare, and evaluate various cultures throughout the modern world, leading them to appreciate the differences in other cultures as well as the ability to evaluate their own. They will investigate, research, and present materials concerning various aspects of many cultures and problems facing us today. Students will be given the opportunity to integrate some of their technical skills into the Social Studies curriculum. An emphasis is placed on information gathering and presenting skills that will enable students to continue their roles as lifelong learners.

CONTEMPORARY ISSUES

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
Contemporary Issues gives students the opportunity to examine and evaluate social issues concerning citizens of the U.S. and inhabitants of the world. Students will investigate, research, and present materials concerning these issues and problems facing us today. An emphasis is placed on information gathering and presentation skills that will enable students to continue their roles as lifelong learners.

ENTREPRENEURSHIP

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
Entrepreneurship is a course to help develop the necessary skills to become an entrepreneur and understand the basic concepts of running a business. Students will study basic economic principles, analyze, and apply how to create a business plan and a marketing plan, and evaluate the traits and skills of entrepreneurs.

GEOGRAPHY AND NATURAL RESOURCES

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION

Students will explore key tools and concepts of physical and human geography by examining climate regions, ecosystems, natural resources, populations, economic systems, and patterns of globalization. They will investigate how physical and human factors shape communities locally and around the world. Throughout the course, students will examine how both renewable and nonrenewable resources impact economies, careers, and standards of living. Students will analyze how countries are connected through trade, technology, and migration. Students will build practical geography skills such as mapping, analyzing spatial data, and evaluating daily environmental interactions. They will apply these skills in a career-focused project that links geographic understanding to their future technical pathways.

20TH CENTURY HISTORY AND INNOVATION

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION

The 20th Century History and Innovation course will examine the major events and technological advances that came to define the 20th century. Students will examine the relevance of the technological advances within their own technical areas in relationship to what was happening in the world as well. Topics to be covered will include but are not limited to World War I, the Roaring 20s, the Great Depression, World War II, the Cold War, the 1960s, Vietnam, Water Gate, The Gulf War, and the 1990s.

APPLIED ECONOMICS

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION

Applied Economics is a course in which students learn basic economic concepts, the working of the free enterprise system, as well as basic consumer skills. An emphasis is placed on skills that will help students create and operate their own business. Theoretical concepts are enriched by the experience of organizing a student company and periodic visits from volunteers from the local business community.

PREREQUISITE

- Entrepreneurship

INTRODUCTION TO SOCIOLOGY

TRIMESTERS: 1
CREDITS: 0.5
WEIGHTED COURSE

COURSE DESCRIPTION
Sociology is the study of how people, groups, and society influence each other. If you have wondered why social media trends spread, why rules exist, and why some behaviors are considered "normal" and others aren't, sociology offers answers. In this course, students will explore topics like culture, social groups, social behavior, how people are shaped by their families and communities, how society responds to rule-breaking, and how researchers study human behavior. Students will learn through readings, videos, class activities, discussions, simple experiments, and short writing assignments that analyze real-world situations. Sociology is a one trimester weighted class. This course is offered in even numbered school years (ex. 2026-2027).

PREREQUISITES
- GPA 2.75 or higher
- A or B grades in Social Studies and English courses

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

INTRODUCTION TO PSYCHOLOGY

TRIMESTERS: 1
CREDITS: 0.5
WEIGHTED COURSE

COURSE DESCRIPTION
General Psychology is a one trimester weighted class. This class is designed as an introduction to the basic concepts and methods of psychology and the scientific study of behavior. Students will explore modern psychological perspectives, classical and operant conditioning, processes of memory, consciousness, motivation, emotion, stress, social influence, theories of personality, psychological disorders, and psychological therapies through readings, multimedia resources, in-class experiments, analysis writings, and explorations of real-world examples. This course is offered in odd numbered school years (ex. 2027-2028).

PREREQUISITES
- GPA 2.75 or higher
- A or B grades in Social Studies and English courses

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

AMERICAN GOVERNMENT II

TRIMESTERS: 1
CREDITS: 0.5
WEIGHTED COURSE

COURSE DESCRIPTION

American Government II is a one trimester class and is weighted. The course will examine the system of government established by the United States Constitution. Students will analyze the three branches of government and the checks and balances they place on one another. Students will also examine the ideals and realities of federalism and democracy. They will explore their rights and responsibilities as citizens of the United States. Lastly, it will explore how the government and elections have changed given the reality of modern political parties, the media and special interests. The material in the course is similar to American Government, but will be covered in less time, more detail, and expectations will be more rigorous.

PREREQUISITES

- GPA 2.75 or higher
- A or B grades in Social Studies and English courses

*Please see **COLLEGE IN HIGH SCHOOL INFORMATION** on page 20 for additional information regarding earning college credit for this course.*

HEALTH AND PHYSICAL EDUCATION

HEALTH

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This course is designed to guide the students to a greater understanding of themselves, their relationship with others, and make them more aware of the health concerns of today. The students will study positive health enhancing behaviors and disease prevention. This will provide the students with information to make positive decisions concerning healthy living.

PHYSICAL EDUCATION

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
Physical Education is a twelve [12] week course that offers programs to develop the health-related fitness, physical competence, and cognitive understanding about physical activity for all students so that they can adopt healthy and physically active lifestyles.

HEALTH AND WELLNESS

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
Health and Wellness is an elective, 12-week course that allows students the opportunity to expand and investigate health concepts in general areas of Health Education. Throughout this course, students will build, develop and implement life-long health skills in many areas such as Goal Setting, Fitness, Nutrition, Sleep and Mental Health. Students who wish to take this class should have previously taken and passed the required Health class at Lenape Tech.

JOURNALISM

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION

Journalism is a one [1] trimester elective. The students are required to use Microsoft Publisher and Word to create original articles and newspaper layouts, as well as learn media-writing skills. Students who are in the Journalism course produce the monthly school newspaper and the Lenape Tech Times. They should be strong writers with a history of high English scores or a teacher recommendation. Students are required to work in small and large groups, with peers to complete editing and give feedback, with adults or other students to perform interviews for articles, operate a camera for picture taking, and partake in discussions. Students must be independently or internally motivated to work towards deadlines in a setting that is run similar to a business.

PREREQUISITES

- Strong writing skills
- Works well independently
- English grade of 80% or higher

PUBLIC SPEAKING

TRIMESTERS: 1
CREDITS: 0.5
WEIGHTED COURSE

COURSE DESCRIPTION

Public Speaking will require students to prepare and present formal and informal speeches that focus on a variety of topics that are student and teacher generated. The class is designed to push students out of their comfort zone to become well-rounded and confident speakers. This course will proceed at a rapid pace and therefore students enrolled in this course should be independently motivated.

ACCOUNTING I

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION

This course introduces students to the basics of accounting by focusing on how financial information is recorded and organized. Students will learn how to record business transactions, keep track of different types of accounts, and prepare simple financial documents. They will learn how to use journals and ledgers to keep information organized and see how good recordkeeping helps businesses understand their money and make smart financial choices.

ACCOUNTING II

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This course will continue on with the Accounting cycle using journals and ledgers to create reports, calculate profits, and close the cycle for the next calendar year. They will also be taught the basics of taxes and use their knowledge of the accounting cycle to complete simulations on both the computer and on paper.

PREREQUISITES
- C or better in Accounting I

ACCOUNTING III

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This advanced class will cover the accounting cycle for a merchandising business organized as a corporation. This will include things like sales tax and depreciation. Other topics will include special journals, general and subsidiary ledgers, payroll records, taxes, and financial reports on paper and on the computer.

PREREQUISITES
- C or better in Accounting II

RELATED BUSINESS SKILLS

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This course prepares students for future careers by developing essential workplace and employability skills. Students practice communication, teamwork, decision-making, and problem-solving while completing projects focused on career exploration and workplace expectations. The course guides students in identifying an anticipated career path, exploring potential alternative career options, and understanding how transferable soft skills apply across a variety of occupations. Multiple projects are connected to Lenape's technical programs to help students prepare for successful transitions into employment or further training.

MEDICAL OFFICE PROCEDURES

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This one [1] trimester course compliments the Allied Health/Sports Medicine curriculum. It provides training in a variety of tasks needed for the medical office professional, including scheduling appointments, establishing and maintaining patient records, insurance coding procedures, medical transcription and medical billing. The material is presented in a realistic simulation format following the day-to-day experiences in an office of practicing physicians.

HOSPITALITY

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
Hospitality Management is a program that introduces high school juniors and seniors to careers in the hotel and lodging industry and teaches them the basic skills and knowledge they need for success in this industry. On the job training and experience, coupled with a dynamic and industry driven curriculum fuel the hospitality program. The classes encourage high school students to experience all aspects of operating and managing a lodging establishment, and also help students build good business and management skills.

FINANCIAL LITERACY

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This course introduces students to essential financial literacy concepts that build a strong foundation in money management. Students will explore topics such as budgeting, banking, saving, credit and debt, insurance, taxes, and employment-related finances. Through hands-on activities and real-world scenarios, students will practice making informed financial decisions, understand the benefits of responsible money management, and recognize the consequences of poor financial choices.

INTRO TO CAD

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This course provides students with a basic introduction to industry standard 2D and 3D computer-assisted drafting with a focus on integrating CAD into their technical programs. Students will learn to use basic drawing commands, dimensioning, editing tools, and printing while creating drawings that apply to their technical program. Example projects might include Carpentry students designing and drawing plans for a woodworking project, Culinary Arts students designing and drawing plans for their gingerbread house or creating their own custom cookie cutter.

INTRO TO ROBOTICS

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
The student will be introduced to basic concepts in robotics through a hands-on approach. Students will work in teams to build and test increasingly more complex robotics projects which will use motors, pulses, servos, switches, sensors, LEDs, mounting boards and much more.

INTRO TO BLUEPRINT READING

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This is a course that exposes students to the fundamentals of drawing and reading blueprints. Students will learn essential skills that apply to multiple professions; primarily studying prints from the machining and fabrication professions. Students will study the application of line types, isometric vs. orthographic views, proper dimensioning practices, mathematical tolerance application, threaded fastener decoding, and other fabrication practices. These topics will prepare students for further education and/or a career.

MECHANICAL SYSTEMS BLUEPRINT READING

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This is a course that introduces students to the fundamentals of gears, engines, electricity, and their associated design blueprints. Students will focus on gear terminology, gear size, RPMs and torque, engine components and operation, and electrical theory for ohms, volts, amps, and watts. This variety of technical fields studied will prepare students for careers, further education, and lifelong learning.

PREREQUISITES
- Intro to Blueprint Reading or similar Level 1 Blueprint Reading

ARCHITECTURE AND CONSTRUCTION BLUEPRINT READING

TRIMESTERS: 1
CREDITS: 0.5

COURSE DESCRIPTION
This is a course that introduces students to architectural structures and their utilities. Students will analyze multiple residential and commercial framing styles, along with multiple architectural drawings. Students will learn concepts including site plans, floor plans, sectional views, framing methods, compass bearings, surveying, benchmarks, electrical symbols, plumbing symbols, HVAC symbols, and construction math. Students will create a drawing packet as well as a scale model of a properly framed structure. Students will practice precision measurement and tactile assembly skills. This class will prepare students for multiple careers, apprenticeship training, and practical lifelong knowledge.

PREREQUISITES
- Intro to Blueprint Reading or similar Level 1 Blueprint Reading class

COMMERCIAL DRIVER'S LICENSE [CDL]

TRIMESTERS: 2
CREDITS: 1

COURSE DESCRIPTION

The Introduction and Preparation for a Commercial Driver's License (CDL) course is designed to prepare students to understand the information required to successfully obtain a CDL. The course will fast-track students to prepare for and ultimately complete the required training to be able to test for the CDL for entry into the trucking and logistics industry. Students will complete the required theory for the current federal standards regarding qualifications for a CDL. Students will also explore career opportunities and requirements of a professional tractor trailer driver. This [2] trimester course consists of classroom instruction, demonstrations, hands-on exercises, field trips and guest speakers. Upon completion of the course, students will be prepared to apply for the Commercial Learner's Permit (CLP) written exam and begin their behind-the-wheel training. This course will be a hybrid course in which students will utilize a learning management system that is specific to Lenape Tech and meets the standards and monitors student progress for a CDL. The course instructor who also has a CDL, will coordinate activities with various industry representatives to remediate, as well as provide a hands-on experience to engage students in the retention of required federal trucking standards. The course will also prepare students to complete the behind-the-wheel training required to test for a CDL Type A license. The behind-the-wheel training and testing is not included in the course and should be completed after graduation. This course meets the Department of Transportation Federal Motor Carrier Safety Administration's Entry Level Driver Training Standards. This course will allow for adaptations and modifications to accommodate special education student needs as per their IEP.

PREREQUISITES

- Seniors Only
- Student Needs to be 18 by May 1st of Senior Year

COLLEGE IN THE HIGH SCHOOL

Students enrolled in the list of classes below have the option to take the courses and receive college credit through Seton Hill University and Butler County Community College.

LIST OF COURSES

LENAPE TECH	SETON HILL UNIVERSITY COURSE NUMBER AND TITLE	CREDITS
Psychology*	SPY 110 – Introductory Psychology	3
American Government II*	SPS 121 - American National Government	3
Biology II*	SBL 150 – General Biology I SBL 151 – General Biology I Lab	3+ 1
Medical Chemistry*	SCH 115 – General & Organic Chemistry Principles SCH 116 – General & Organic Chemistry Principles Lab	3+ 1
Statistics	SSS 250 – Introductory Statistics	3
Calculus*	SMA 130 – Calculus with Analytic Geometry	4

LENAPE TECH	BUTLER COUNTY COMMUNITY COLLEGE	CREDITS
Introduction to Sociology*	SOCI 211 – Principles of Sociology	3

****This list is in progress, reviewed annually, and subject to change. Additional courses may be approved and added for next school year.**

REQUIREMENTS

- The student will be on track to fulfill graduation requirements by the end of his/her senior year based upon credits earned and required courses completed/scheduled.
- The student has demonstrated ability and readiness for college-level coursework in the intended area of study as determined by the School/District.
- The student has been verified to take CHS courses by the designated High School Liaison.
- The student will have a 2.75 Lenape GPA or higher and/or a review of academic records.

COST

The cost for each course varies by year. For the 2025-2026 school year, 3 and 4 credit courses were $235- $250.

Students/families will be notified when registration is open for these classes during the year. Registration Guide and FAQ worksheet are available through the Lenape Tech Guidance Department or on the Seton Hill website.



ADVERTISING
Digital Technology

LenapeTech
Education at Work







The Program

- Develop high-tech skillsets
- Create effective media content
- Utilize the latest digital technology
- Apply fundamental advertising & design principles
- Communicate through text, photos, graphics, video, audio & animation

Course Content

- The Mac & Internet Technology
- Introduction to Computer Graphics
- Graphic Design
- Television Production/Broadcast Journalism
- Digital Video/Film-making
- Web Design and Publishing
- Digital Marketing & Social Media

Recommendations For Success

- Creative thinking & problem solving
- Above-average computer skills
- Speaking & communicating professionally
- Active listening to clients
- Great attention to detail

Certifications

Adobe Certified Professional verifies student knowledge & skills in preparing digital media for the web, video & print, including:

- Visual Communication
- Interactive Media
- Graphic Design & Illustration
- Print & Digital Media Publication
- Web Authoring
- Video Communication

Career Pathways

- **Visual Communications/Media Arts Design**
  - Advertising Agencies, Journalism, TV/Radio
- **Corporate Communications**
  - Advertising Sales, Corporate/Media
- **Social Media Management**
  - Universities, Large Companies, Non-profits

More Information

Scan the QR Code or visit our website: www.lenapetech.net for additional info.

LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTOR CONTACT INFO:
Mr. Edward Dupaly
dupaedw@lenape.k12.pa.us
(724) 763-7116 ext. 3331

CIP Code: 09.0702 Digital Comm. and Media/Multimedia



CIP CODE: 09.0702 | ADVERTISING/DIGITAL TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
BC3 - Butler County Community College	6	COMM-102 [3]; COMM-110 [3]	Local

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ALLIED HEALTH Careers

LenapeTech
Education at Work

The Program

Lenape Tech's Allied Health Careers program provides a combination of subject matter and hands-on experience designed to prepare individuals for entry-level employment or post-secondary education. Allied Health gives students exposure to both nursing & medical assistant career fields.

Course Content

- Introduction to Healthcare
- Basic Anatomy and Physiology
- Medical Terminology
- Legal & Ethical Aspects of Healthcare
- Vital Signs
- Personal Care Skills
- Communication Skills

Recommendations For Success

- Excellent attendance & homework completion
- Observation skills with attention to detail
- Problem solve quickly & accurately
- Follow written & oral directions
- Read & interpret medical terminology

Certifications

- EKG, PCT & Phlebotomy Technician Certifications
- American Red Cross First Aid Certification
- Bloodborne Pathogens
- American Heart Association of CPR for Healthcare Providers





Career Pathways

- **Nursing**
  - Hospital-based Program
  - Post-Secondary Program
  - Bachelor's Degree
- **Physical Therapy**
  - PT - Master's or PhD
  - PTA - Associate's or Bachelor's



More Information

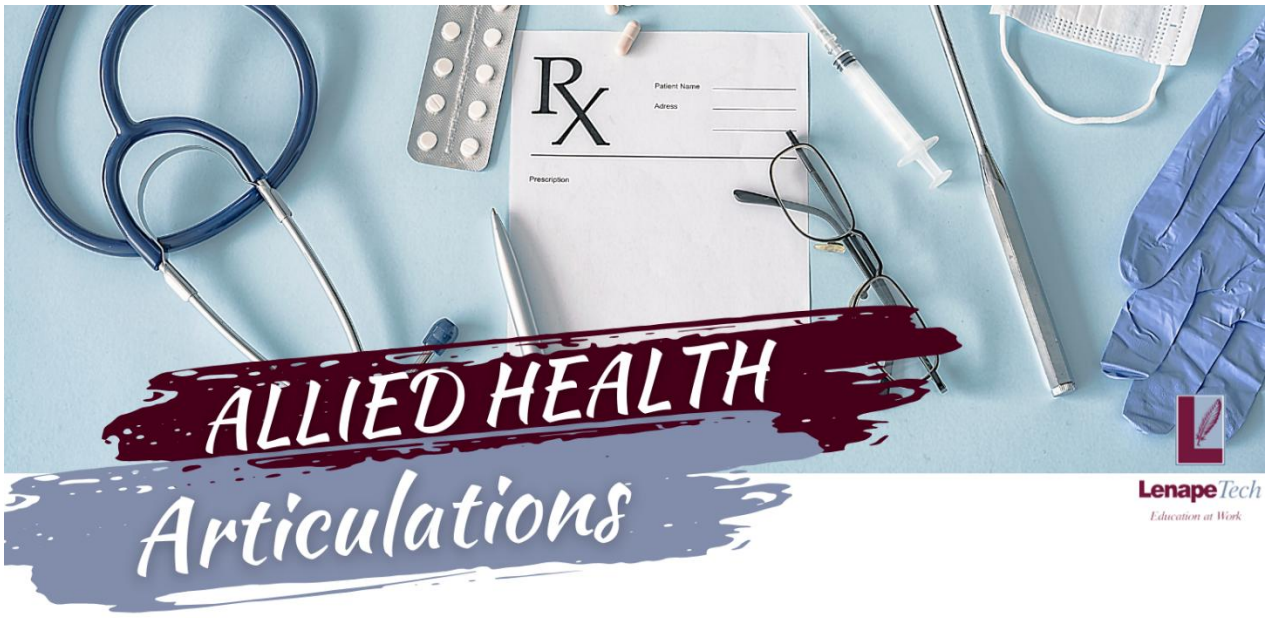
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LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTOR CONTACT INFO:

Mrs. Amanda Close
closama@lenape.k12.pa.us
(724) 763-7116 ext. 3342

CIP Code: 51.0899 Health/Med Assts., Other



CIP CODE: 51.0899 | ALLIED HEALTH CAREERS			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
BC3 - Butler County Community College	6	AHEA-280 [3]; FSVC-140 [3]; *Required minimum of 20 total hours of volunteer or work experience needed for Physical Therapy Assistant application requirement [N/A]*	Local
CCAC - Community College of Allegheny County	9	ALH-140 [3]; HPE-177 [3]; PHL-205 [3]	Local
Commonwealth Technical Institute	9	BD-13 [3]; BE-20 [3]; BE-23 [3]	SOAR
Greater Altoona Career & Technology Center	9	MED-115 [3]; MED-116 [3]; MED-118 [3]	SOAR
Greater Altoona Career & Technology Center	9	MED-115 [3]; MED-118 [3]; CSC-110 [3]	SOAR
Pennsylvania Highlands Community College	9	HSC-100 [3]; HSC-130 [3]; HSC-160 [3]	SOAR

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AUTOMOTIVE Technology

LenapeTech
Education at Work

The Program

Lenape Tech's Automotive Technology program trains students to troubleshoot, diagnose, and repair today's complex vehicle systems using computers, hand tools, power tools and various service information.

Course Content

- Engine Repair
- Steering & Suspensions
- Brake Replacement & Alignment
- Computer Diagnostics & Testing
- Tune-ups
- Fuel & Electrical Systems
- Drive-Train, Axles & Transmissions
- Engine Performance

Recommendations For Success

- Problem Solving Skills
- Algebra I & II
- Manual Dexterity
- Good Mechanical Aptitude
- Physical Stamina
- Ability to Lift 60 Pounds Overhead
- Adapt to Ever-changing Technology

Certifications

- Subaru U Enrolled School
- National Occupational Competency Testing Institute (NOCTI)
- SP2
- Chrysler Online Training
- HVAC 609
- Automotive Service Excellence
- Jawco Fire Safety Training
- PA State Inspector Prep

Career Pathways

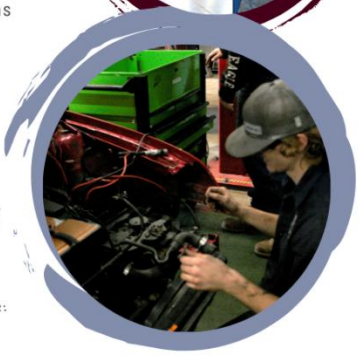
- **Co-Op Opportunities Junior & Senior Year**
  - Dealership and independent locations
- **CCAB Manufacturer Pathway Training**
- **Subaru U Online Training with Job Placement**

More Information

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LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTOR CONTACT INFO:
Mr. Adam Steffey
steffada@lenape.k12.pa.us
(724) 763-7116 ext. 3322

CIP Code: 47.0604 Automobile/Automotive Mechanics Tech/Technician



CIP CODE: 47.0604 | AUTOMOTIVE TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	MAXIMUM # OF CREDITS	ARTICULATED COURSES - *Credits in [ ]*	ARTICULATION TYPE
Allegany College of Maryland	12	AUTO-103 [4]; AUTO-105 [2]; AUTO-114 [2]; AUTO 215 [4]	SOAR
CCAC - Community College of Allegheny County	9	ATE-103 [3]; ATE-106 [1]; ATE-108 [1]; ATE-130 [3]; ATE-291 CP [1]	Local
Commonwealth Technical Institute	11	AT-101 [3]; AT-102 [3]; AT-104 [5]	SOAR
Community College of Philadelphia	9	AT-111 [4]; AT-121 [3]; AT-150 [2]	SOAR
Delaware County Community College	10	AUT-100 [2]; AUT-101 [4]; AUT-102 [4]	SOAR
Harrisburg Area Community College	9	AUTO-101 [3]; AUTO-151 [3]; AUTO-153 [3]	SOAR
Johnson College	10	VMR-151 [1]; VMR-153 [2]; VMR-154 [1] VMR-155 [2]; VMR-156 [1]; VMR-159 [2]; VMR-160 [1]	SOAR
Lancaster County Career & Technology Center	11	AUTO-101 [3]; AUTO-102 [4]; AUTO-106 [4]	SOAR
Luzerne County Community College	9	AUT-103 [3]; AUT-105 [3]; AUT-106 [3]	SOAR
Northampton County Area Community College	9	AUTO-103 [3]; AUTO-104 [3]; AUTO 105 [3]	SOAR
Rosedale Technical College	9.5	AD-100 [5]; AD-105 [4.5]	SOAR
UNOH - University of Northwestern Ohio	12	AU-126 [6]; AU-127 [6]	Local

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BIOMEDICAL Technology

LenapeTech
Education at Work

The Program

Lenape Tech's Biomedical Technology program prepares students for careers in various healthcare fields as well as biotechnological, clinical, forensic and research laboratories. The program highlights biotechnology's role in the healthcare and pharmaceutical industries. The laboratory component features molecular biology, microbiology and genetic techniques. Anatomy and physiology, pharmacology and medical terminology are strongly emphasized throughout the curriculum. Biomedical Technology seniors complete the AP Biology curriculum.

Course Content

- Exploring Foundations of the Biotechnology Industry
- Laboratory Safety
- Basic Laboratory Skills
- Basic Microbiology, Molecular Biology, Genetics and Cell Culture Techniques
- Anatomy and Physiology
- Pharmacology
- AP Biology
- Exploring Regulatory Agencies Guiding the Biotechnology & Healthcare Industries

Recommendations For Success

- Strong aptitude for math & science
- Excellent attendance
- Ability to follow written & oral directions
- Good listening skills
- Effective communication skills
- Responsible
- Ability to work independently as well as in a group
- Good organization skills

Certifications

- Pharmacy Technician Certification Exam (optional upon graduation)
- American Heart Association (AHA) CPR/AED
- AHA First Aid
- AP Biology Exam (optional senior year)

Career Pathways

- **Technical Training**
  - Pharmacy Technician
  - Licensed Practical Nurse
- **2-Year Associate's Degree**
  - Medical Laboratory Technician
  - Registered Nurse
- **4-Year Bachelor's Degree**
  - Medical Technologist
  - Bachelor of Science in Nursing (BSN)
  - Research Technician
- **Graduate Programs**
  - Physician's Assistant
  - Pharmacist
  - Biomedical Research Scientist







More Information

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LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTOR CONTACT INFO:
Mrs. Carol Stolarski
stolcar@lenape.k12.pa.us
(724) 763-7116 ext. 3366
CIP Code: 26.1201 Biotechnology



CIP CODE: 26.1201 | BIOMEDICAL TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
CCAC - Community College of Allegheny County	7	BTC-100 [3]; BTC-101 [4]	Local

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COLLISION REPAIR Technology

LenapeTech
Education at Work

The Program

Collision Repair Technology prepares students with entry-level skills necessary for employment, whether it is immediately following high school or after further study at a post-secondary institution. CRT engages students in the I-Car curriculum as well as the PPG Blue Certification program. CRT focuses on the study of Collision Repair and Refinishing, and safety for the student and the environment as it applies to the transportation industry.

Course Content

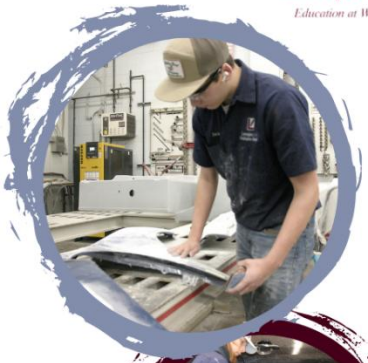
- Welding
- Sheet Metal Repair
- Repairing Plastic
- Preparation of Surface for Refinishing
- Refinishing
- Uni-body Set Up and Measuring
- Frame Repair
- Estimating
- Glass

Recommendations For Success

- Stand for long periods of time
- Able to lift 20 pounds
- Good hand-eye coordination
- Discernment by touch
- Good mechanical aptitude
- Fine motor skills
- Focus to detail

Certifications

- Safety, Pollution & Prevention (SP/2)
- National Occupational Competency Institute (NOCTI)
- PPG Refinish Blue Certification
- Pennsylvania State Inspection
- 609 Refrigerant Certification
- I-Car
- 3M Respirator Training
- Fire Safety Training



Career Pathways

- **Body Shop Technician**
  - Responsible for tear down, fixing & reassembly of vehicles to pre-accident condition
- **Paint Prepper**
  - Responsible for cleaning, sanding & masking vehicles for refinishing
- **Refinisher**
  - Responsible for color matching & refinishing vehicles to OEM specifications
- **Estimator**
  - Responsible for writing an accurate damage report for the wrecked vehicles
- **Paintless Dent Repair Technician**
- **Glass Technician**





More Information

Scan the QR Code or visit our website: www.lenapetech.net for additional info.

INSTRUCTOR CONTACT INFO:

Mr. Jarod Wheeler
wheejar@lenape.k12.pa.us
(724) 763-7116 ext. 3334

CIP Code: 47.0603 Auto Body/Collison and Repair Tech/Technician

LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
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CIP CODE: 47.0603 | COLLISION REPAIR TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
Rosedale Technical College	9	C-102 [4.5]; C-103 [4.5]	SOAR
Thaddeus Stevens College of Technology	12	CORT-107 [4]; CORT-111 [4]; CORT-116 [4]	SOAR

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LenapeTech
Education at Work

The Program

Lenape Tech's Computer Information Technology program is an intensive networking program designed to teach advanced computer concepts and the basics of modern computer networks. Students will prepare for entry-level Information Technology employment, higher education, or a military career by earning well-known Microsoft certifications, learning modern networking technology, improving computer troubleshooting skills and/or hands-on work experience with well-known IT leaders in Armstrong County.

Course Content

- Computer Hardware
- Server & Client Operating Systems
- Troubleshooting of PCs, Servers, Printers & Networks
- Installation of Network Media
- Configuration & Installation of Network Components
- Network Project Design
- Basic & Advanced Cybersecurity Principles

Recommendations For Success

- Navigate a Windows PC
- Willingness to deconstruct/construct basic computers & other components technology
- Demonstrate a passion for learning new technologies & systems
- Access the internet from home/library
- Independently read along with a digital textbook & other digital content
- Work well with others

Certifications

- Test Out PC Pro
- Test Out Network Pro
- Test Out Security Pro

Career Pathways

- **Entry-Level Help Desk**
  - Median Pay of $54,000/year
  - 10% Job Growth
  - Post-secondary education not required
- **Network & System Engineer**
  - Median Pay of $82,000/year
  - 5% Job Growth
  - Associates/Bachelor's Degree recommended
- **Cybersecurity**
  - Median Pay of $98,000/year
  - 32% Job Growth
  - Associates/Bachelor's Degree recommended

More Information

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LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTOR CONTACT INFO:
Mr. Michael Perry
perrmic@lenape.k12.pa.us
(724) 763-7116 ext. 3324

CIP Code: 11.0901 Computer Systems Networking & Telecommunications



CIP CODE: 11.0901 | COMPUTER INFORMATION TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	MAXIMUM # OF CREDITS	ARTICULATED COURSES - *Credits in [ ]*	ARTICULATION TYPE
BC3 - Butler County Community College	13	COMP-101 [3]; COMP-211 [3]; COMP-215 [4]; COMP-244 [3]	Local
Bucks County Community College	12	CISC-128 [4]; CISC-143 [4]; CISC-201 [4]	SOAR
CCAC - Community College of Allegheny County	9	CIT-115 [3]; CIT-120 [3]; CIT-150 [3]	Local
Community College of Beaver County	10	CISN-100 [5]; CISN-110 [5]	SOAR
Community College of Philadelphia	11	CIS-103 [3]; CIS-105 [4]; CIS-150 [4]	SOAR
Delaware County Community College	9	CS-127 [3]; CS-128 [3]; NET-110 [3]	SOAR
Harrisburg Area Community College	13	CNT-120 [3]; CNT-140 [3]; ELEC-125 [3]; ELEC-126 [4]	SOAR
Harrisburg Area Community College	10	CIS-128 [3]; ELEC-125 [3]; ELEC-126 [4]	SOAR
Johnson College	10	CIT-181 [2]; CIT-182 [2]; CIT-183 [2]; CIT-184 [1]; CIT-185 [2]; CIT-186 [1]	SOAR
Luzerne County Community College	9	CST-103 [3]; CST-105 [3]; CST-215 [3]	SOAR
Northampton County Area Community College	10	CISC-100 [4]; CISC-136 [4]; CISC-137 [2]	SOAR
Reading Area Community College	12	IFT-100 [3]; IFT-110 [3]; NET-100 [3]; WEB-100 [3]	SOAR
Thaddeus Stevens College of Technology	9	CNSA-107 [3]; CNSA-111 [3]; CNSA-117 [3]	SOAR
Westmoreland County Community College	9	CPT-145 [3]; CPT-182 [3]; CPT-248 [3]	SOAR

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CONSTRUCTION TRADES Technology

LenapeTech
Education at Work

The Program

Lenape Tech's Construction Trades Technology program gives students an opportunity to build a strong foundation of skills by working on real-world projects in a hands-on learning environment. Students will learn skills such as framing, exterior & interior covering, installation of plumbing fixtures, preparing surface areas for painting, install & repair electrical circuits, install a hot water tank, install drywall & finish, construct various brick & block walls and layout a building & foundation.

Course Content

- Safety & Tool Safety
- Materials & Fasteners
- Blueprints
- Concrete
- Framing
- Roofing
- Exterior & Interior Finish
- Stair Framing
- Electrical

Recommendations For Success

- Size & shape discernment
- Able to withstand outside elements & tolerate heights
- Structural & mechanical visualization/reasoning skills
- Manual dexterity including fine motor skills
- Measurement

Certifications

- 10-Hour Construction OSHA Card
- 10-Hour General Industry OSHA Card
- Forklift Certification
- AHA First Aid and CPR
- SP/2 Safety Certification

Career Pathways

- **Industry**
  - Entry-Level Carpenter
  - Roofer
  - Framing/Finish Carpenter
- **2-Year Associate's Degree**
  - Building Construction Technology
  - Architectural Designs
- **4-Year Union Apprentice**
  - Commercial Carpenter

More Information

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LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTORS CONTACT INFO:

Mr. Tim Blankenship
blantim@lenape.k12.pa.us
(724) 763-7116 ext. 3336

Mr. Thomas Lentz
lenttho@lenape.k12.pa.us
(724) 763-7116 ext. 3335

CIP Code: 46.9999 Construction Trades; Other



CIP CODE: 46.9999 | CONSTRUCTION TRADES TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
Rosedale Technical College	9.5	CD-100 [4.5]; CD-101 [5]	Local

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COSMETOLOGY

LenapeTech
Education at Work







The Program

Lenape Tech's Cosmetology program trains students in the basic manipulative skills, work habits, desirable attitudes, attendance and technical knowledge necessary to obtain licensure and competency in entry-level positions in cosmetology and cosmetology-related fields.

Course Content

- **Theory**
  - Orientation, Career Info., Laws
  - Cosmetology
- **Hair Care**
  - Shampooing, rinsing & conditioning
  - Hair Styling/Cutting
  - Hair Coloring
- **Skin Care/Nail Care**

Recommendations For Success

- Good attendance
- Good work ethic
- Hand-eye coordination
- Read & follow manufacturer's directions
- Read & understand state laws, rules & regulations governing the profession
- Willing to stand long periods of time

Certifications

- PA State Board of Cosmetology Examination (upon completion of required hours)
- National Occupational Competency Testing Institute (NOCTI)
- CPR, First Aid & Fire Safety Training
- American Hotel & Lodging Association (optional)
- SP2 Training

Career Pathways

- **Entry Level**
  - Salon Assistant
  - Receptionist
  - Cosmetologist
  - Nail Technician
  - Esthetician
- **2-Year Post-Secondary Education**
  - Cosmetology Teacher License
  - Electrolysis/Medical Assistant

More Information

Scan the QR Code or visit our website: www.lenapetech.net for additional info.

LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTOR CONTACT INFO:
Mrs. Gara Atherton
athegar@lenape.k12.pa.us
(724) 763-7116 ext. 3325
CIP Code: 12.0401 Cosmetologist



CIP CODE: 12.0401 | COSMETOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	MAXIMUM # OF CREDITS	ARTICULATED COURSES - *Credits in [ ]*	ARTICULATION TYPE
CCAC - Community College of Allegheny County	6	BAR-104 [6]	Local

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CULINARY ARTS

LenapeTech
Education at Work

The Program

Lenape Tech's Culinary Arts program allows students the opportunity to learn skills that will prepare them for post-secondary training or entry-level positions in this rapidly growing industry. Students will explore many careers in the "back of house" as well as the "front of house". The program introduces basic baking and pastry skills as well as the culinary skills needed to work in a professional kitchen. Students will also participate in catering small and large meetings.

Course Content

- Food Service Industry
- Professional Kitchen
- Culinary Applications
- Baking and Pastry Applications
- Safety and Sanitation
- Restaurant Operations
- Catering
- Culinary Math

Recommendations For Success

- Maintain good personal hygiene
- Lift heavy objects (up to 50 lbs.)
- Work as a team member/individual
- Work efficiently
- Attend school daily
- Apply simple math
- Withstand heat, noise & standing for long periods

Certifications

- ServSafe Manager's Certification
- ServSafe Foodhandler's Certification
- National Occupational Competency Testing Institute (NOCTI)
- CPR, First Aid and Fire Safety

Career Pathways

- **Line Cook/Chef**
  - Restaurant
  - Banquet Facility
- **Pastry Chef/Baker**
  - Bakeries (resorts, restaurants, individually owned
  - Grocery Stores, Wedding/Specialty Cakes
- **Garde Manager Cook/Chef**
  - Restaurant
  - Resorts







More Information

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LENAPE TECHNICAL SCHOOL
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Ford City, PA 16226
www.lenapetech.net

INSTRUCTORS CONTACT INFO:
Mrs. Andrea Fahlor
fahland@lenape.k12.pa.us
(724) 763-7116 ext. 3327

CIP Code: 12.0508 Institutional Food Workers



CIP CODE: 12.0508 | CULINARY ARTS			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	MAXIMUM # OF CREDITS	ARTICULATED COURSES - *Credits in [ ]*	ARTICULATION TYPE
CCAC - Community College of Allegheny County	12	CLR-110 [3]; CLR-117 [3]; CLR-201 [3]; CLR-202 [3]	Local
Community College of Philadelphia	10	CULA-151 [4]; CULA-161 [2]; CULA-170 [4]	SOAR
Delaware County Community College	9	CUL-115 [3]; CUL-150 [3]; HRM-110 [3]	SOAR
Harrisburg Area Community College	9	CULI-107 [3]; CULI-110 [3]; CULI-125 [3]	SOAR
Luzerne County Community College	10	CUL-101 [5]; CUL-202 [3]; HRM-102 [2]	SOAR
Montgomery County Community College	10	CUL-101 [3]; CUL-120 [3]; CUL-198 [1]; CUL-298A [3]	SOAR
Pennsylvania Highlands Community College	11	BUS-110 [3]; CUL-137 [2]; CUL-151 [3]; CUL-182 [3]	SOAR
Westmoreland County Community College	9	CUL-104 [3]; FSM-103 [3]; FSM-235 [3]	SOAR

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LenapeTech
Education at Work

The Program

Lenape Tech's Law Enforcement Information Technology program provides a strong foundation for students interested in pursuing careers as Crime Scene Investigators, Police Officers, State Troopers, Corrections Officers, 911 Dispatchers and other related occupations.

Course Content

- Introduction to Criminal Justice (College Credit)
- Crime Scene Documentation
- Evidence Collection
- Defensive Tactics, Weapon Retention, Self Defense
- Criminal Laws and Procedures
- Traffic Stops
- Corrections Concepts and Skills
- Court Room Procedures
- Physical Fitness

Recommendations For Success

- Sense of personal responsibility, integrity and resilience
- Act as a role model for all students
- Desire to serve your community
- Effective communication skills (including tact & diplomacy)
- Community and customer focus
- Problem-solving skills
- Proficient literacy skills
- Measuring and mathematical skills

Certifications

- National Incident Management System (NIMS)
- PATH Tactical Handcuffing
- OCAT Pepper Spray
- Tactical Baton
- National Occupational Competency Testing (NOCTI)
- CPR, First Aid & Fire Safety Training





Career Pathways

- Law Enforcement Officer
- State Trooper
- Municipal Police Officer
- Game Warden
- Corrections Officer
- Attorney
- Paralegal
- Fingerprint Tech
- Crime Scene Investigator
- Security



More Information

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INSTRUCTOR CONTACT INFO:
Mr. Brian Wolfe
wolfbri@lenape.k12.pa.us
(724) 763-7116 ext. 3333
CIP Code: 43.0107 Criminal Justice/Police Science



CIP CODE: 43.0107 | LAW ENFORCEMENT INFORMATION TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
BC3 - Butler County Community College	6	CRIM-100 [3]; CRIM-125 [3]	Local
CCAC - Community College of Allegheny County	9	CJC-101 [3]; CJC-102 [3]; CJC-206 [3]	Local
Community College of Beaver County	9	CRIM-100 [3]; CRIM-125 [3]; CRM-133 [3]	SOAR
Community College of Philadelphia	9	JUS-101 [3]; JUS-235 [3]; JUS-261 [3]	SOAR
Harcum College	9	CJ-101 [3]; CJ-195 [3]; CJ-240 [3]	SOAR
Harrisburg Area Community College	9	CJ-101 [3]; CJ-104 [3]; CJ-XXX [3]	SOAR
Lackawanna College	15	CJS-105 [3]; CJS-110 [3]; CJS-120 [3]; CJS-125 [3]; CJS-205 [3]	SOAR
Pennsylvania Highlands Community College	21	CRJ-105 [3]; CRJ-110 [3]; CRJ-120 [3]; CRJ-150 [3] CRJ-175 [3]; CRJ-215 [3]; CRJ-235 [3]	SOAR
Westmoreland County Community College	9	CRJ-155 [3]; CRJ-162 [3]; CRJ-163 [3]	SOAR

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NATURAL RESOURCES Technology

LenapeTech
Education at Work

The Program

Lenape Tech's Natural Resources Technology program allows students to develop diverse skillsets that can lead to rewarding career opportunities. Students are also given the opportunity to enrich their education through partnerships with local environmental organizations.

Course Content

- Greenhouse Management
- Equipment Maintenance/Safety
- Animal Science
- Environmental Science

Recommendations For Success

- Effective communication skills (including tact & diplomacy)
- Good attendance
- Problem-solving skills
- Leadership abilities
- Ability to solve arithmetic problems quickly & accurately

Certifications

- OSHA 10, Ag
- Beef Quality Assurance
- Youth for the Quality Care of Animals
- National Occupational Competency Testing (NOCTI)
- CPR, First Aid & Fire Safety Training

Career Pathways

- **Game Warden/Conservation Officer**
  - Local, State or National
- **Vet Tech**
  - Veterinary Facilities
  - Boarding Facilities
  - Government Agencies
- **Heavy Equipment Operator**
  - Gas Well Industry
  - Building Construction/Heavy Highway Construction



More Information

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INSTRUCTOR CONTACT INFO:
Mr. Steve Misera
miseste@lenape.k12.pa.us
(724) 763-7116 ext. 3326

CIP Code: 01.0301 Ag. Prod. Operations, General



CIP CODE: 01.0301 | NATURAL RESOURCES TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	MAXIMUM # OF CREDITS	ARTICULATED COURSES - *Credits in [ ]*	ARTICULATION TYPE
BC3 - Butler County Community College	4	BIOL-103 [4]	Local

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PRECISION MACHINING

LenapeTech
Education at Work







The Program

Lenape Tech's Precision Machining Technology program is designed to provide each student with the latest technological skills needed for entry in the metalworking occupations. Students have the opportunity to operate state-of-the-art equipment, such as Computer Numeric Controlled (CNC) Lathes and Mills, Coordinate Measuring Machines (CMM), and CAD/CAM packages such as MasterCAM and Solidworks.

Course Content

- Measurement, Materials & Safety
- Job Planning, Benchwork & Layout
- Drill Press Operations
- Turning Operations
- Milling Operations
- Grinding Operations
- CNC Milling & Turning Operations
- Inspection Operations

Recommendations For Success

- Think creatively and critically
- Work individually and as a team
- Problem solve creative solutions
- Professionalism and clear communication
- Good understanding of math concepts

Certifications

- Level I NIMS Certifications
- OSHA 10-Hour Safety Training
- Fork Lift Training
- First Aid Training
- CPR Training
- Fire Safety Training

Career Pathways

- **Immediate Entry into Tool & Die Industry**
  - On-site Training
  - Entry into various apprenticeship programs
- **Engineering (Various Disciplines)**
- **Fabrication**
- **Gunsmithing**
  - Manufacturer
  - Local/National Retailers

More Information

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2215 Chaplin Avenue
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INSTRUCTOR CONTACT INFO:
Mr. Kyle Bricker
brickyl@lenape.k12.pa.us
(724) 763-7116 ext. 3343

CIP Code: 48.0501 Machine Tool Technology/Machinist



CIP CODE: 48.0501 | PRECISION MACHINING			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
BC3 - Butler County Community College	9	DRFT-114 [3]; MACH-111 [3]; MACH-114 [3]	Local
Delaware County Community College	10	MTT-110 [4]; MTT-112 [3]; MTT-124 [3]	SOAR
Johnson College	9	AMT-151 [2]; AMT-152 [1]; AMT-153 [1]; AMT-154 [2]; AMT-251 [1]; AMT-252 [2]	SOAR
Luzerne County Community College	12	EDM-203 [4]; GET-114 [2]; GET-121 [3]; GET-122 [3]	SOAR
Reading Area Community College	12	MTT-105 [3]; MTT-110 [3]; MTT-157 [3]; MTT-158 [3]	SOAR
Thaddeus Stevens College of Technology	11	CIM-106 [3]; CIM-110 [2]; CIM-115 [2]; CIM-118 [4]	SOAR
Westmoreland County Community College	12	CNC-111 [4]; MTT-101 [4]; MTT-111 [4]	SOAR

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SPORTS MEDICINE & Rehab Therapy

LenapeTech
Education at Work

The Program

Lenape Tech's Sports Medicine and Rehab Therapy program provides a combination of subject matter and hands-on experience designed to prepare individuals for entry-level employment or post-secondary education. Sports Medicine presents anatomy & physiology from a sports perspective.

Course Content

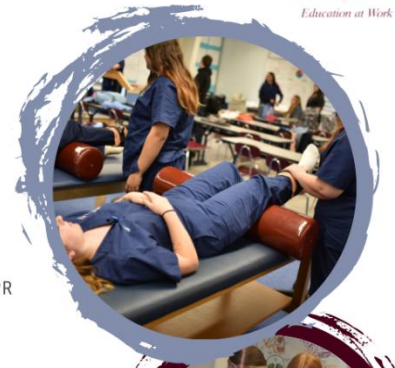
- Introduction to Healthcare
- Basic Anatomy and Physiology
- Medical Terminology
- Legal & Ethical Aspects of Healthcare
- Vital Signs
- Personal Care Skills
- Communication Skills

Recommendations For Success

- Excellent attendance & homework completion
- Observation skills with attention to detail
- Problem solve quickly & accurately
- Follow written & oral directions
- Read & interpret medical terminology

Certifications

- American Red Cross First Aid Certification
- Bloodborne Pathogens
- American Heart Association of CPR for Healthcare Providers



Career Pathways

- **Physical Therapy**
  - Physical Therapist - Masters or PhD
  - PT Assistant - Associates or Bachelors
- **Occupational Therapy**
  - Occupational Therapist
  - OT Assistant
- **Athletic Trainer**
- **Personal Trainer**





More Information

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LENAPE TECHNICAL SCHOOL
2215 Chaplin Avenue
Ford City, PA 16226
www.lenapetech.net

INSTRUCTORS CONTACT INFO:

Mr. Kaleb Dietz
dietkal@lenape.k12.pa.us
(724) 763-7116 ext. 3319

CIP Code: 51.2604 Rehabilitation Aide



WELDING Technology

LenapeTech
Education at Work



The Program

Lenape Tech's Welding Technology program prepares students for high-paying positions in the construction and manufacturing industries. Students are trained in SMAW, GMAW, FCAW, GTAW, OFC Cutting, PAC, CAC-A, Layout, Print Reading and Fabrication. This benefits students whose career goals include being a Welder, Welding Technician, Welding Inspector, Boilermaker, Steamfitter, Ironworker or Sheetmetal worker.

Course Content

- Oxy-fuel Cutting (1st through 3rd year)
- Shielded Metal Arc Welding "Stick" (1st, 2nd & 3rd year)
- Gas Metal Arc Welding (MIG) and Flux-core Arc Welding (end of 1st and all of 2nd & 3rd year)
- Plasma Arc Cutting (1st, 2nd & 3rd year)
- Carbon Air Arc Cutting (1st, 2nd & 3rd year)
- Gas Tungsten Arc Welding (Heli-Arc/TIG) (end of 1st and all of 2nd & 3rd year)
- Welding Inspection (1st, 2nd & 3rd year)
- Intermediate Blueprint Reading (1st, 2nd & 3rd year)

Recommendations For Success

- Measure in both fractions/decimals
- Good mechanical aptitude
- Fine motor skills
- Excellent eye-hand-foot coordination
- Physical stamina; able to life 60 lbs. or more
- Adjust to noisy working conditions
- Able to work in confined spaces
- Follow safety rules and precautions

Certifications

- American Welding Society (AWS) SENSE Entry Level I
- AWS D1.1 Structural Steel Welders Qualification
- National Occupational Competency Testing Institute (NOCTI)
- OSHA 10-Hour Safety Training
- Fork Truck Training (sit-down counter balanced)
- CPR and First Aid Training
- Fire Extinguisher Training

Career Pathways

- **Industry**
  - Production Worker, Apprentice, Welder's Helper
- **2-Year Associate's Degree or 2-4 Years in Industry**
  - Associate Welding Engineer
- **4-Year Bachelor's Degree or 4-6 Years in Industry**
  - Welding Engineer
  - Certified Welding Inspector
  - Foreman
  - Fitter
  - Union Journeyman (Ironworker, Steamfitter, Sheetmetal Worker, Boilermaker, Pipeliner)

More Information

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Ford City, PA 16226
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INSTRUCTORS CONTACT INFO:
Mr. Ted Zablocki
zablted@lenape.k12.pa.us
(724) 763-7116 ext. 3337

CIP Code: 48.0508 Welder/Welding Tech



CIP CODE: 48.0508 | WELDING TECHNOLOGY			
COLLEGE | UNIVERSITY | TECHNICAL SCHOOL	**MAXIMUM # OF CREDITS**	**ARTICULATED COURSES - *Credits in [ ]***	**ARTICULATION TYPE**
CCAC - Community College of Allegheny County	9	WLD-101 [3]; WLD-102 [3]; WLD-221 [3]	Local
Delaware County Community College	10	WLD-100 [2]; WLD-101 [2]; WLD-103 [2]; WLD-104 [2]; WLD-200 [2]	SOAR
Great Altoona Career & Technology Center	9	WD-01-1 [3]; WD-01-2 [6]	SOAR
Harrisburg Area Community College	13	WELD-101 [3]; WELD-103 [3]; WELD-111 [3]; WELD-120 [4]	SOAR
Johnson College	9	WTC-151 [2]; WTC-152 [4]; WTC-153 [1]; WTC-154 [2]	SOAR
Northampton County Area Community College	10	WELD-105 [5]; WELD-125 [5]	SOAR
Thaddeus Stevens College of Technology	9	WELD-120 [3]; WELD-155 [3]; WELD-165 [3]	SOAR
Thaddeus Stevens College of Technology	9	MFWT-106 [3]; MFWT-111 [3]; MTWT-126 [3]	SOAR
Westmoreland County Community College	14	DFT-110 [2]; WEL-125 [4]; WEL-221 [4]; WEL-228 [4]	SOAR

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