

Course Catalog for the 2026/2027 School Year

SUN Tech will provide equal access regardless of race, color, age, creed, religion, sex, sexual orientation, ancestry, national origin, handicap/disability or genetic information, in its admission procedures, educational programs and activities or employment practices as required by Title VI, Title IX and Section 504.

About SUNTech

19 Programs of Study:

- ⇒ Advertising Art & Design
- ⇒ Auto Technology
- ⇒ Carpentry
- ⇒ Collision Repair Technology
- ⇒ Computer Networking & Technology
- ⇒ Cosmetology
- ⇒ Criminal Justice
- ⇒ Culinary Arts
- ⇒ Dental Health Technology
- ⇒ Diesel & Truck Technology
- ⇒ Electrical-Mechanical Technology
- ⇒ Electrical Systems Technology
- ⇒ Health Professions- Nurse Aide
- ⇒ Health Professions-PCT
- ⇒ HVAC Technology
- ⇒ Masonry & Concrete Construction
- ⇒ Precision Metalworking
- ⇒ Welding
- ⇒ Wood, Design & Technology

Student Occupationally & Academically Ready (SOAR) Credits

SOAR is a Pennsylvania Department of Education Program that eases student's path from high school to college into high demand occupations by allowing students to earn college credits while still in high school. Learn more at www.collegetransfer.net.

Students Occupationally and Academically Ready

Dual Enrollment Programs

Here's How Penn College NOW Courses Benefit Students

SAVE MONEY!

Tuition for Penn College NOW is free for students! The more Penn College NOW courses a student takes (*at no per-credit cost),* the less money a student has to spend once it's time to earn a degree after high school.

BUILD CONFIDENCE!

No matter what you plan to do after graduation, if you have already shown success in college courses, you will be more competitive in both the job market and the college admissions process. Success in challenging coursework builds confidence as well as skills!

SAVE TIME!

Students who have already taken college coursework spend less time earning a degree.

PREP FOR COLLEGE

Connect to "the college experience!" Through Penn College NOW, students have the chance to visit our campus, see our facilities, and meet our college faculty.

Penn College Dual Enrollment

Programs offered:

Carpentry, Computer Networking Technology, Culinary Arts, Health Professions, Math 123, Precision Metalworking & Welding

Students enrolled in Carpentry, Computer Networking Technology, Culinary Arts, Health Professions, Precision Metalworking and Welding have the opportunity to earn college credits with The Pennsylvania College of Technology through their Dual Enrollment program. The students enrolled in these programs may enroll in the Penn College Dual enrollment program, free of cost.

The workload associated with the Penn College Dual Enrollment program is part of the existing curriculum for each Program of Study.

To enroll in the Penn College Dual Enrollment students should express interest to their program instructors. Students should then complete the Penn College Dual Enrollment application at https://www.pct.edu/academics/academic-excellence/penn-college-dual-enrollment

Students also have the opportunity to enroll in MTH 123 or MTH 125 while attending SUN Tech. These math courses require students to apply for Penn College Dual Enrollment by August 1st. Students who apply will then be contacted to complete a placement exam. Students enrolling in the offered math courses must meet pre-requisites such as: successfully passing the placement exam, and a prior Algebra I course. Transcripts will be requested by SUN Tech administration to provide to Penn College.

WHY CHOOSE SUN TECH?

Here are the Top 5 Reasons Why You Should Attend SUN Tech.

5. WE HAVE A HISTORY OF SUCCESS

A driven individual combined with a SUN Tech education is a proven recipe for success, and our reputation in the Snyder, Union and Northumberland county areas tells us that employers like what we're cooking. SUN Tech graduates are coveted by local businesses, but they also go on to become successful business owners too!

4. YOU CAN EARN COLLEGE CREDITS AND ADVANCED PLACEMENT

SUN Area Technical Institute has worked *tirelessly* with local colleges and universities to add value to your technical education. Through dual enrollment programs with institutions like Penn College of Technology and Bloomsburg University, you can **earn up to 15 college credits during your senior year** of high school which translates to *thousands of dollars in savings* on tuition!

3. YOU CAN EXPERIENCE THROUGH COOPERATIVE EDUCATION

Employers want to hire candidates with experience, but in order to gain experience somebody needs to hire you first. Talk about a vicious cycle! SUN Tech has the reputation and connections to get students hired through our co-op program while they're still in high school. You'll gain valuable on-the-job experience, you'll have a blast doing it, and some co-op students are even offered full-time employment after graduation.

2. YOU'LL GIVE BACK TO YOUR COMMUNITY

SUN Tech is actively involved in community outreach and community service efforts. We actively engaged in our community by building projects to support our local community and their organizations. We also participate in raising money and goods for many local charities.

1. YOU CAN EARN VALUABLE INDUSTRY CERTIFICATIONS

The Harvard Graduate School of Education released a report which claims that industry certifications are just as valuable as a college degree– if not more so– in the pursuit of employment in many fields. At SUN Tech *we prepare you so* you can fly into employment or higher education: you have the potential to leave certified or ready to test for certification.



ADVERTISING ART & DESIGN

Are you an aspiring designer? Would you like to get paid for your creativity?

If you have a passion for design, a need to be creative, and a dream of becoming a successful graphic designer, then the Advertising Art & Design program at SUN Tech is for YOU!

Outcomes: You can experience a broad range of creative careers while still in high school so that you can:

- Discover where your talent lies
- Develop a professional portfolio
- Be successful at design college
- Obtain a job you actually love

You will use the most modern technology and techniques to increase your skills in graphic design, illustration and photography.

Certifications Offered:

- OSHA 10





Description: The program emphasizes your creative growth through instruction in art principles as well as technology skills through computer-based projects. You will gain a working knowledge of color, typography, layout, and printing while you master Adobe software on the Mac and PC. You may find employment in graphic design, advertising, publishing, web page design, illustration, or photography. Salaries in this field range from $29,010 to $100,250 yearly within our local area.

AUTO TECHNOLOGY



Do you like to take things apart to see how they work? Do you like mechanical things like motors and engines?

Make money while enjoying what you do! The Automotive Technology Program at SUN Technical Institute will teach you what you need to know to diagnose and repair vehicles, so you can make a great living doing something you love to do!

Outcomes: You will have the opportunity to obtain a PA State Inspection License, Air Conditioning Certification, SP/2 Safety Certification, Valvoline Oil Certification, and Student ASE Certification. The certifications and skills learned allow you to enter the automotive repair industry with skills and certification to back up those skills. You also have the opportunity to qualify for advanced placement at post-secondary institutions such as Penn College, Harrisburg Area Community College, and Northwestern Ohio.

Entry-level auto technicians generally earn around $15.00 per hour, progressing up to $30.00 per hour with experience and training. An "A" level technician can earn up to $100,000 per year. The education received through the Automotive Technology Program allows you to climb this salary ladder very quickly.

Description: In the Automotive Technology course at SUN Tech, you are given the opportunity to learn the necessary skills and competencies to maintain, diagnose and repair the advanced systems on modern automobiles. You can use common hand tools as well as power tools such as impact wrenches, grinders, drills, tire machines and automotive lifts. You will also be using state-of-the-art equipment such as electronic engine analyzers, oscilloscopes, scan tools and internet -based information systems.

Certifications:

- PA State Inspection
- Section 609 Cert
- ASE Brake
- ASE Elect Systems
- ASE Engine Repair
- ASE Suspension/Steer
- ASE Engine Performance
- ASE Auto Service Tech.
- ASE Maintenance & Light Repair
- SP2 Pollution Prevention
- SP2 Mechanical Safety
- SP2 Land that Job
- American List



CARPENTRY

If you like working with your hands, if you love to build projects, problem-solve, and tackle new challenges every day, visit the Carpentry Program at SUN TECH.

Outcomes: Learn skills in carpentry that you will use the rest of your life whether on the job in construction or on your own home. You will also have the opportunity to earn dual enrollment college credits while completing the carpentry curriculum.

Description: As a SUN TECH carpentry student, you will learn all aspects of residential and light commercial construction through classroom theory and practical shop instruction and projects. All areas of residential construction will be covered, including but not limited to, floor, wall and roof framing, exterior and interior finish

Certifications Offered:

- OSHA 10– Hour Construction Industry Course
- Stop the Bleed
- Heartsaver First Aid-CPR AED

Dual Enrollment Penn College

- BCT103 Construction Hand & Power Tools– 1 credit



Look what you can learn in the Carpentry Program:

- Learn the skills necessary to properly build a house
- Work in a team setting.
- See the day go by so quickly you will wonder what happened to the time.
- Work on community service projects off campus.
- Use the most advanced tool, equipment and materials
- Be challenged every day by your instructor
- Earn college credits
- Do something different everyday

Emphasis is placed on developing the skills you will need for your future as a contractor.

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COLLISION REPAIR TECHNOLOGY



DON'T GET BENT OUT OF SHAPE OVER YOUR FUTURE.

Become a Collision Repair Technician and learn to straighten damaged cars and your future.

Outcomes: By developing the skills necessary to become an entry level Collision Repair technician you can secure a high paying job and earn college credits. You will have instruction in State-of-the-Art I-CAR certified repair techniques in the following areas: Non-structural analysis and damaging repair, painting and refinishing, plastics and adhesives, structural, analytic and damage repair. With great attendance and grades, you can participate in the Co-op program and earn a salary during second semester of the school year.

Description: The Collision Repair Technology course at SUN Tech has been evaluated by the "National Automotive Technicians Education Foundation, Inc." (NATEF) and certified by the "National Institute for Automotive Service Excellence" (ASE). The course includes theoretical study and practical application in all areas related to the collision repair industry including major and minor collision repair, MIG welding, base-clear and tri-coat refinishing, color matching and blending, SMC and urethane plastic repair, glass service, and supplement restraint systems. You will be evaluated on practical hands-on application skills and through ASE type-written examinations. You may be eligible for one-year service credit toward applying for ASE certification in any or all of the four specialized technical areas within the trade. Related areas of employment are: insurance adjustor, automotive refinish, parts and sales, and assembly line refinishing.

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Certifications:

- S/P2-Collision Repair & Refinish Safety
- S/P2-Safety & Pollution
- Preparation for Refinishing
- Plastic Repair
- Disassembly & Reassembly
- Collision Repair Fundamental
- Aluminum &Steel Small Dent Removal
- Lifting it Right
- Plastic Repair Services
- Prep a vehicle for service& working w/ customer
- Land that Job
- Ethics and You
- WD-40





COMPUTER NETWORKING & TECHNOLOGY

Do you love working with computers and Technology?

Do you love working with technology? Do you love taking computers apart and putting them back together? Do you ever wonder how you can send an email half-way around the world in less than a second? Do you ever think about how data travels down fiber optic cable as modes of light, turning on and off millions of times per second? Would you love to know how to build that water cooled, Monster Machine that will make all your friends green with envy? If you answered "yes" to any of these questions, you need to check out the Computer Networking Technology program at SUN Tech.

Outcomes: You can learn entry level skills in Computers, Network installation, Web Design, Web Animation, Network Administration, and Fiber Optics that will help you prepare for an exciting and well-paying career in the computer field.

Certifications Offered:

- C-Tech Network Cabling Copper Based Systems
- C-Tech Network Cabling Fiber Optic-Based System
- OSHA 10 Hour
- Technology Fundamentals
- Server Pro Install/configure

Penn College Dual Enrollment

- EET 145-Introduction to Networking 4 Credits

Description: As a SUN Tech Computer and Networking Technology student, you will learn a wide range of skills that will enable you to get an entry level job, skills to give you a head start on college, and even a way to make good money while going to college!

- Build, upgrade and repair computers
- Setup and configure routers, switches, firewalls, and servers
- Design web pages
- Administer a computer network, setting up user accounts, servers, etc.
- Become certified in copper and fiber option network cabling
- Use cutting edge technology to prepare you for the workforce.



COSMETOLOGY

Whether you have always had a love for hair and makeup, nail care and beauty or whether you are looking for a career with exciting diverse opportunities, driven by a sense of fashion and business; Cosmetology at SUN Tech can set you on a fast track to a successful future.

By starting your cosmetology training while you are in high school you will be able to make a smooth transition to a college related partner career, pursue advanced training in the cosmetology profession or you can opt to begin a lucrative wage-earning career working in or owning a salon or spa. And best of all, you have the choice of working in a local salon and staying close to home or traveling to Hollywood, the fashion stages of New York or the platform arenas of competitive styling around the world!

Outcomes: The Cosmetology Program at SUN Tech is designed to provide you with the necessary education needed to pass the Pennsylvania State Board Exam for licensing; but more importantly prepares you to successfully pursue career opportunities in all aspects of the beauty industry. Whether you wish to pursue a job as a hair stylist, beauty therapist, or nail technician; or whether you wish to pursue a job working in sales, marketing, education or business management for a beauty manufacturer or company; it can all begin with a decision to start your beauty education while in high school.

Description: The Cosmetology course at SUN Tech includes: theoretical studies and the application of all aspects of hair, skin and nail care; including anatomy/physiology, decontamination, safety and management. Eighty percent of all course activities are hands-on applications including the operation of a clinic/salon area where you will work on clients just as you would in a licensed salon.

The topics and skills covered include hairstyling, hair cutting, hair coloring and lightening, chemical texture services, braiding, skin care, massage, makeup, hair removal, nail care, artificial nails, male hair cutting and styling and product knowledge.



Cosmetology Licensing:

- 1250 hours of supervised instruction required for the PA State Board of Cosmetology licensing examination
- 35 Day summer program at SUN Tech prior to your senior year at SUN Tech.

Students who successfully complete 1250 hours of instruction will have the opportunity to complete their PA State Board Certification for Cosmetology. In order to obtain the certification you must pass the exam.

Certifications:

- OSHA 10
- Heart saver First Aid
- Barbicide
- State Board Certification





CRIMINAL JUSTICE

Are you a people person who enjoys interacting with all types of people, using your mind to look at things from different perspectives, or solving puzzles?

Become a part of an exciting criminal justice career! Television, movies, and video games only show a portion of the many rewarding career opportunities awaiting you. Criminal justice is the second largest employer in the Susquehanna Valley and offers entry level salaries ranging from $ 30,000 to over $75,000 annually.

Outcomes: As a SUN TECH criminal justice student, you will have the opportunity to earn up to 6 college credits while building an impressive resume with many industry recognized certifications.

Description: This program offers the entry-level skills and knowledge required for employment in criminal justice professions such as police officer, security officer, correctional officer, 911 dispatcher, store security and military police. These skills are acquired through a combination of classroom training and hands-on experience. The program offers job shadowing experiences, featured guest speakers, and field trips.

Requirements: You must possess the desire to learn and be of strong moral character. Many careers in criminal justice are closed to individuals with any arrest history. Due to the required additional training and education beyond high school, this program will require excellent written and oral communication skills, emphasizing high academic standards. Hand/eye coordination, following and applying instructions, problem solving skills, and physical fitness are also strongly encouraged.

Certifications Offered:

- Federal Emergency Management Agency National Incident Management System (FEMA NIMS) certificates, 00005.a, 100, 200, 700, and 800, 907
- American Heart Association-CPR
- American Heart Association – AED/First Aid
- Stop The Bleed Certification
- Federal Emergency Management Intro to Hazmat Materials
- The Association of Public Safety Communication Officials
- PowerPhone
- OSHA 10– Public Safety



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CULINARY ARTS CIP 12.0508



Do you want to be the next Food Network Star? Attending the SUN Tech Culinary Arts Program will put you on the right track to achieving this goal! In America, Service Workers make up 60% of the workforce. SUN Tech's Culinary Arts Program will teach you the skills needed to enter the exciting world of culinary arts.

Outcomes: As a SUN Area, Technical Institute student enrolled in the Culinary Arts Program, you will have the opportunity to learn the skills necessary to work in a variety of food service positions. Your educational experience in this program will prepare you for a career in the food service industry and provide you with the prerequisites to continue your education at a post-secondary school or college in a food-related field. You will have an opportunity to work towards earning your ServSafe Certification; a recognized industry certification increasing your employability. You may also have the opportunity to earn advanced placement credits at the college level. Does working and earning money while enrolled at SUN Tech sound interesting? Culinary Arts Program students may also choose to participate in the Co-op program and work in the Culinary industry.

Description: The SUN Tech Culinary Arts Program will provide you with the skills and experience needed to prepare for an entry-level position in the Culinary industry.

The skills you will learn include:

- Basic operation of a restaurant
- Food preparation
- Safety and Sanitation
- Operation and maintenance of restaurant tools and equipment
- Creating and planning of menus for restaurant and catering functions
- Cooking & Baking
- Customer service including; hosting, serving, and bussing

Requirements: You must possess a desire to learn and an interest in a career in the Culinary industry. The program requires strong verbal communication skills and the ability to work with others in a positive manner. Hand-eye coordination and fine motor dexterity skills are necessary. It is important that you are able to count money, follow instructions, remain flexible to changing routines, and take direction from others.

Certifications:

ServSafe Food Handler

ServeSafe/ManagerFood Safety

HeartsaverCPR

OSHA

Penn College Dual Enrollment:





DENTAL HEALTH TECHNOLOGY

Get the root of your education in Dental Assisting. By coming to SUN Tech, you will be prepared with a variety of hands-on experiences and practical clinical training that will lead to careers as a Dental Assistant and other dental auxiliaries.

Certifications Offered:

- Pennsylvania Radiology Registration Exam through Dental Assisting National Board
- CPR/AED
- First Aid

Articulation Agreement:

- Harrisburg Area Community College
- SOAR Credits

Description: Students who enroll in the Dental Health Technology program learn a variety of skills that enables them to become an important qualified member of a dental team. As a dental assistant, you will learn to prepare patients for treatment, sterilize instruments, practice infection control, prepare materials, and make study models from impressions. You will also be exposed to digital x-ray technology and provide chairside assisting with a local dentist to gain clinical experience.

Requirements: Radiology Registration examination through the Dental Assisting National Board (DANB); practical's, tests, quizzes, homework, and completion of clinical rotations.

- Participation in a clinical rotation to gain valuable skills, procedures, and patient care for all aspects of the dental profession
    - Participation in job shadows of Dental Assistants



DIESEL & TRUCK TECHNOLOGY



Would you like to learn how to service, repair and maintain the trucks that bring you everything that you come in contact with every day?

If you enjoy solving problems, working with your hands, and learning new things every day, then the Diesel and Truck Technol-

Outcomes: By developing the skills that are necessary to maintain and repair today's sophisticated trucks and other Diesel-powered equipment you can earn a good starting wage as an entry level technician. You will also have the opportunity to earn college credits though the Penn College Now Program while completing the Diesel curriculum that will help you get a start on furthering your education.

Description: The Diesel and Truck Technology course at SUN Tech prepares you for higher education or employment in the field of truck and bus repair or maintaining diesel engines and other related equipment used to power ships, trains, electric generators and construction machinery. A working knowledge of the trade is taught through theory and practice, disassembly of diesel engines, clutches, brakes (hydraulic and air brakes), electrical systems and electronic trouble shooting. If you are trained in Diesel Technology you can secure employment as a technician working on trucks, buses, agricultural and construction equipment. You will be given the opportunity to attain a Pennsylvania Vehicle Safety Inspection license and prepare to take the Automotive Service Excellence (ASE) tests.

Prerequisites Requirements: Along with a strong desire to learn and good work ethic, knowledge in the following academic areas would be to your advantage, but are NOT required: General sciences, Mechanical Drawing, Basic Math, Business Math, Trade Math, and a basic understanding of electronic/ electrical and computers.

Penn College Articulation

- DSM 109 Basic Fuel Systems
  3 credits
- DSM 141 Heavy Duty Brake Systems
  2 credits

Certifications:

- **PA State Inspection**
- **Section 609 Cert**
- **Get Ahead;Daimier Truck**
- **S/P2 Heavy Duty**
- **S/P2 Safety/Pollut**
- **Cummins Engine Electrical & Insight**
- **JPRO Diagnostic Professional**





Electrical-Mechanical Technology

WOULD YOU LIKE TO LEARN A HIGH-PAYING AND IN-DEMAND TRADE THAT WILL PROVIDE FOR A GREAT FUTURE



Certifications Offered:

- OSHA
- Heartsaver First Aid CPR AED

Soar Credits possible:

- Harrisburg Area Community College
- Northhampton County Community College
- Pittsburgh Technology College

The Electrical-Mechanical Technology Program at SUN Area Technical Institute prepares students for careers as Electrical-Mechanical technicians in diversified manufacturing. Students gain knowledge and skills in blueprint reading, AC/DC Theory, conduit bending, mechanics, pneumatics, hydraulics, electricity, motors, motor control, programmable logic controls, robotics and motion control, process control, instrumentation, transformers, & computer integrated manufacturing. Emphasis is placed on predictive maintenance , troubleshooting and quality assurance of machines and equipment in the Manufacturing and Building Trades.

ELECTRICAL SYSTEMS TECHNOLOGY



A HIGH PAYING JOB IS WAITING FOR YOU!

Be a success in life by starting an exciting career in the electrical industry by gaining skills that demand high wages! Today the demand for electricians is at an all-time high. From linemen to residential electricians many career opportunities are available. Electrical maintenance technicians, copper networking and fiber optic installers, and electrical construction are just a few of the jobs in high demand.

Certifications Offered:

- OSHA 10
- C-Tech Cabling Copper-Based Systems



Outcomes: After graduation you will be ready to continue your education with advanced placement earned at many institutions of higher learning or you can enter directly into the electrical field with a wealth of knowledge and skills attained in the Electrical Systems Technology class. You will be prepared for positions such as an Electrician's Assistant, Residential Electrician, Commercial Electrician, Electrical Maintenance Technician, Copper Cabling Technician, or a variety of positions related to providing electrical products and services.

Description: The Electrical Systems Technology class provides training through a combination of classroom instruction and practical, hands-on assignments. Projects, both within and outside of the school, give you hands-on experience in a safe, supervised environment. You will learn to design and build electrical systems to meet the requirements of the National Electrical Code and OSHA. Emphasis is placed on developing skills used in residential, commercial, and industrial installation, design and repair. Local methods, materials and requirements are taught, therefore making you highly employable.



HEALTH PROFESSIONS NURSE AIDE

HAVE YOU EVER HAD A DREAM TO BE A DOCTOR, NURSE, OR TAKE CARE OF THE ELDERLY?

The Health Professions Program here at SUN Tech allows you to live out your childhood dream. If you like working with the public, show empathy to others, have good communication skills and have a desire to become a health care worker, visit the Health Professions Program at SUN Tech.

Outcomes: The skills that you will be taught in the Health Professions Program you will use on a daily basis. You will have the opportunity to earn a Certified Nurse Aide Certification which is valuable whether you choose to enter the work force immediately after graduation or further your education. You can also earn college credits while completing the health curriculum at SUN Tech.

Description: The Health Professions program at SUN Tech helps you learn the theory and practical skills required to help prepare you for a career in the health field. You will learn the duties of a Certified Nurse Aide and have the opportunity to perform skills learned as you deliver quality resident care while at our clinical affiliations at a local long-term care facility and local community hospital. You will learn the importance of commitment to other members of the health care team. Preparation is primarily in a simulated work environment combined with clinical application.

Certifications based on pathway:

Health 114

- **BLS Health Care Provider**
- Heartsaver First Aide
- Heartsaver AED
- Heartsaver CPR
- **Stop the Bleed Training**
- Nurse Aide Registry
- OSHA

Penn College Dual Enrollment:

- Medical Terminology (MTR 104) *3 credits*

Requirements *(Prior to the first day of school)*:

- PA-Criminal Records Check ACT 34
- FBI Act 141 Federal Fingerprinting
- Physical Exam
- TB Test
- Immunization Record

HEALTH PROFESSIONS PATIENT CARE TECHNICIAN



HAVE YOU EVER HAD A DREAM TO BE A HEALTHCARE PROFESSIONAL?

The Health Professions Program here at SUN Tech allows you to live out your childhood dream. If you enjoy working with the public, showing empathy to others, have good communication skills, and have a desire to become a Patient Care Technician, EMT, Nurse, PA, or Doctor, to name a few, visit the Health Professions Program at SUN Tech.

Certifications based on pathway:

- Patient Care Technician
- OSHA
- Heartsaver First Aide
- Heatsaver AED
- Heartsaver CPR
- BLS Health Care Provider

Penn College Dual Enrollment :

- Medical Terminology (MTR 104) *3 credits*

Preferred Pre-Requisites (at home district if possible)

Anatomy & Physiology

Medical Terminology

Outcomes: The skills taught in the Health Professions Program you will use on a daily basis. You will have the opportunity to earn either a Patient Care Technician certification, or Emergency Medical Technician, which is valuable whether you choose to enter the work force immediately after graduation or further your education. You can also earn *transferable* college credits while completing the health curriculum at SUN Tech.

Description: The Health Professions program at SUN Tech helps you to understand the theory, or “the why” something is performed, and teaches the practical skills required to prepare you for a career in the health field. You will learn the responsibilities of a Patient Care Technician or Emergency Medical Technician and have the opportunity to perform skills learned as you deliver quality patient care at our clinical affiliations. Potential clinical affiliations include our local community hospital, medical offices, dialysis clinics, or phlebotomy laboratory. You will learn the importance of commitment to other members of the health care team. Preparation is primarily in a simulated work environment combined with clinical application.

HVAC TECHNOLOGY



How would you like to learn more about green energy? Become an HVAC service technician or an HVAC installer of residential or commercial systems! If this sound interesting than the HVAC program at SUN AREA TECHNICAL INSTITUTE is the program for you.

Outcome: You can learn the skills necessary to gain employment in the HVAC field. Your training will prepare you for residential or commercial installation and or service of all types of heating and air conditioning equipment. The primary goal of the HVAC program is to provide you with theoretical and a practical hand on learning environment. You will have the opportunity to obtain either entry-level employment in the trade or earn advanced placement credits toward furthering your education at many institutions of higher learning while still in high school.

Description: HVAC students at SUN Tech learn through classroom instruction and practical shop assignments. You will learn basic system design as well as the installation and servicing of modern HVAC systems through practice in the laboratory or at an actual job site. Emphasis is placed on developing student skills used in residential and commercial installation and repair jobs. Additional training within this trade area is available in green technology learning about solar and geothermal energy. **Please contact me at tweaver@sun-tech.org for more details or visit the www.sun-tech.org for more information.**

Certifications:

- **EPA 608**
- **OSHA**
- **Heartsaver First Aid CPR**
- **CSST**
- **Ladder Safety**



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MASONRY & CONCRETE CONSTRUCTION

WOULD YOU LIKE TO LEARN A HIGH-PAYING AND IN-DEMAND TRADE THAT WILL PROVIDE FOR A GREAT FUTURE?

By attending the Masonry & Concrete Construction at SUN Area Technical Institute, you can learn the skills necessary to enter the Masonry workforce immediately upon graduation, or to advance onto higher education opportunities. Perhaps you want to become a supervisor or even own your own business someday, YOU CAN MAKE IT HAPPEN! Take the first step by contacting your guidance counselor and arranging a visit to the Masonry Program.

BUILD YOUR FUTURE…. BRICK by BRICK!!

Certifications Offered:

- OSHA



Outcomes:

- You will process through a program where the mastery of new skills will go hand-in-hand with the potential for bigger paychecks
- Your advancement will not only be measured in terms of dollars, it will also be measured in terms of accomplishment.
- By the time you enter the workforce you will possess literally hundreds of complex construction skills.
- You may even advance as a site foreman, an estimator, or a contractor. It is individual motivation more than anything else that will determine how far you will advance in Masonry.

Description: Work in Masonry & Concrete Construction is a combination of physical and mental activity. Skills to master the tools of the trade along with efficient work habits are what you will learn at SUN. These skills will enable you to construct quality work that will stand the test of time. You will also develop an understanding of mathematics as it relates to building materials as well as blueprint reading, jobsite organization, and jobsite safety.

PRECISION METALWORKING

Become a CNC machinist in this program, just like the ones seen on TV's "Titans of CNC" and "How It's Made". Imagine designing or inventing something and being able to build it yourself…



Outcomes: By developing the skills necessary to operate computerized (CNC) and conventional machinery you can secure a high paying job and earn college credits. Working with the latest Mastercam software, you can design and build amazing projects using CNC and laser machines just like the ones used in industry. Students can start earning up to $16.00 per hour or more working through the Co-Op program while still in school.

Description: A machinist doesn't think of metal as something hard and unchangeable, because they can change it into anything they want. Students setup and operate machinery to fabricate and repair parts and components. A machinist performs cuts on materials to bring it to the desired shape and dimensions. Metal blocks can be transformed into intricate parts such as sprockets, gears, pistons, tools, wheels, and molds. These parts are then assembled into cars, bikes or the machinery which mass produce every conceivable manufactured good. **Machinists are the foundation of all industries, and without them no manufacturing or construction job would exist.** Machinists are the only skilled workers capable of reproducing the actual tool they are using! Advanced Precision Machining students are highly sought out by local employers and have one of the highest job placement rates in the school. Many students pursue careers in engineering.

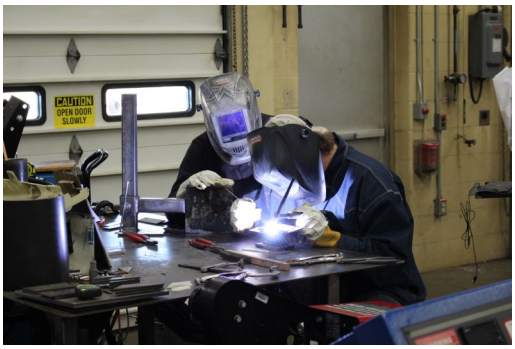
Penn College Dual Enrollment

MTT128 Mill App. 4 credits

MTT 129 Lathe App. 4 credits

Certifications Offered:

- NIMS (National Institute for Metalworking Skills)
  - Measurement, Materials & Safety
  - Manual Drill Press
  - Manual Milling
  - Turning Between Center
  - CNC Milling
  - CNC Turning
  - Planning Benchwork & Layout
  - CNC Prog Setup & Oper Milling
  - CNC Prog Setup & Oper Turning
  - OSHA



WELDING

Start your career with a spark!

A Professional Welder's career options are nearly endless. Careers range from structural welding and pipe fitting to manufacturing and fabrication. Best of all, the demand for welders worldwide continues to grow. Nine months in the Welding Program will benefit you for the rest of your life.

Penn College Dual Enrollment:

- WEL114 Shielded Metal Arc 2 credits
- WEL116 Shielded Metal Arc II 2 credits
- WEL120 Gas Metal Arc 1 2 credits
- WEL124 Gas Metal Arc II 2 credits
- WELL123 Gas Tungsten Arc 1 2 credits
- WEL129 Gas Tungsten Arc II 2 credits
- WEL132 FLUX Cored I 2 credits
- WEL136 FLUX Cored II 2 credits

Certifications:

- Level 1– Entry Welder AWS
- AWS D1.1
- AWS D1.5
- OSHA 10
- GMAW-Spray Transfer
- SMAW 3g D1.1
- Penn College Welding Competition

Outcomes: By enrolling in the Welding Program you can learn the skills needed to succeed in this challenging field. If you are interested in furthering your education, you can earn up to 16 Penn College Now credits and advanced placement credits while attending SUN Tech. You may also choose to participate in Co-op and earn pay while being trained.

Description: The SUN Tech Welding Program provides you with the hands-on training in all positions and theoretical backgrounds required for an entry-level position in the field of welding. You will learn:

- Shielded Metal Arc Welding
- Gas Metal Arc Welding
- Gas Tungsten Arc Welding
- Nondestructive Testing
- Methods/Inspection



- Flux Core Arc Welding
- Oxyfuel Cutting/Welding/ Brazing
- CNC/ Manual Plasma cutting
- Blueprint Reading
- CNC Laser Cutting
- Fabrication skills

WOOD, DESIGN & TECHNOLOGY



Are You Interested in Learning A Hands-on Skill That Will Make You MONEY And Also SAVE You MONEY For The Rest of Your Life? If the answer is yes, then consider a career in Wood Design and get your FREE training at SUN Tech!!! Visit the Program and Check It Out!!!!

Outcomes: You can:

- Learn skills that you will have forever and will enable you to MAKE MONEY!
- Create different and challenging projects each day
- Express your creativity
- Participate in community service projects off campus
- Work by yourself and as a team member
- Go to college…..possibly for FREE
- Enter the workforce upon graduation

Certifications Offered:

- OSHA



Description:

As a Wood Design & Technology (WDT) student, you can be trained to be a quality machine operator, production worker, finisher, or technician. You will learn to have a strong emphasis on quality and professionalism. Wood products manufacturing remains one of the top career fields locally and throughout the State. WDT is a State Approved Program of Study. When you complete all of the required state tasks, you can earn college credits to numerous colleges throughout the State.

Requirements: You should possess creativity and a willingness to learn and experience new things. Good hand-eye coordination, attention to detail, basic math and measurement skills are important skills to have when entering this program.

ENROLLMENT

Are you a Junior or Senior?

If so, its not too late to contact your guidance counselor to sign up for one of our 19 unique programs!

1. Let your school district guidance counselor know you are interested in attending SUN Tech!

2. Obtain and submit an application from your guidance counselor by February 1st!