



Northern Westmoreland Career & Technology Center

Programs of Study

Aspiring Education | CIP 13.0101

Mrs. Anastasia McCallum

In NWCTC's Aspiring Education program, students interested in becoming teachers will obtain training in teaching methods, lesson planning, classroom management and more at NWCTC and through clinical experiences at various local K-12 schools. NWCTC administration is in the process of collaborating with local universities and establishing agreements providing students with advanced standing as they enter college.

Attainable Certifications: PA State Mandated Reporter, CPR/First Aid Training

Advanced Manufacturing & Robotics Technology | CIP 48.0501

Mr. Gary Meyers

In NWCTC's Advanced Manufacturing & Robotics program, students operate industry-standard equipment and learn techniques to shape metal to extremely precise dimensions. In addition, students interested in Robotics have the opportunity to design, build, and compete against other teams' hand-built robots on our BotsIQ team.

Attainable Certifications: NIMS Levels 1

Auto Body & Collision Repair | CIP 47.0603

Mr. James Salem

In NWCTC's Auto Body & Collision Repair program, refinishing and repair, detailing, auto paint applications, welding/sheet metal work, and more are among the industry-standard skills students will learn. Students work closely with the Automotive Technology class to complete both class and client-based jobs.

Attainable Certifications: ASE/NATEF, NOCTI, ICAR

Automotive Technology | CIP 47.0604

Mr. Chuck Cooper

In NWCTC's Automotive Technology program, industry-standard technology is combined with hands-on training to prepare the next generation of automotive mechanics. With NWCTC's functioning auto shop, students learn different types of vehicle repair from changing tires up through rebuilding engines and everything in between. Additionally, students complete the program with customer service skills, product ordering skills, and more to become an entry-level technician.

Attainable Certifications: Ford ACE, NOCTI, Pennsylvania State Inspection & Emissions

Carpentry | CIP 46.0201

Mr. Chris Serena

In NWCTC's Carpentry program, students build their knowledge from the ground up by learning a comprehensive set of technical skills, ranging from basic hand tool usage to structural framing to interior finish. In addition, installation techniques relative to several types of hardware such as doorknobs, dead bolts, smart knobs, and windows are taught.

Attainable Certifications: OSHA 10 & 30, Multiple Ladder Safety's, PBA Skills Certification, NAHB, NOCTI

Construction Trades | CIP 46.9999

Mr. Nick Lombardo

In NWCTC's Construction Trades program, students learn the basics of masonry, carpentry, electrical, and plumbing. During each 9-week session, hand tool safety, block and brick placement, framing, and more is taught through theory and hands-on practice.

Attainable Certifications: OSHA 10 & 30, NAHB, NOCTI

Cosmetology | CIP 12.0401

Mrs. Meghan Dunegan-Rozycki & Mrs. Heather Gockel

In NWCTC's Cosmetology program, students develop advanced skills in three major areas of Cosmetology: hair, skin, and nail treatments. With the ability to perfect their learning in NWCTC's on-campus salon, each student is uniquely prepared to complete their 1250 State Board licensing hours.

Attainable Certifications: Pennsylvania State Board of Cosmetology License Exam, NOCTI



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Culinary Arts | CIP 12.0508

Mrs. Emily Beerbroer

In NWCTC's Culinary Arts program, students explore the culinary world from the fundamentals to advanced cooking and baking techniques through hands-on practice in NWCTC's state-of-the-art kitchen and dining area. Students learn food safety and sanitation as well as dining and restaurant service.

Attainable Certifications: ServSafe, NOCTI

Health Occupations | CIP 51.0899

Mrs. Tara Hutcherson, RN, BSN

In NWCTC's Health Occupations program, students will learn the personal qualities and skills of healthcare workers including infection control, safety, basic health care skills, medical math, vital signs, first aid, medical terminology, and medical abbreviations. These skills are acquired through both theory and hands-on practice using up-to-date industry-standard equipment.

Attainable Certifications: CPR/AED, Pennsylvania Act 126 Mandated Reporter Training, NOCTI

HVAC-R | CIP 47.0201

Mr. Robert Myers

In NWCTC's HVAC-R program, students learn skills in safety, energy management, basic electricity and refrigeration training, as well as the fundamentals of installing and maintaining commercial and residential HVAC systems through a combination of theory work and hands-on training using industry-standard equipment. In addition to these key curriculum components, comprehensive plumbing techniques and applications are explored.

Attainable Certifications: OSHA 10 & 30, NAHB, AHRI I.C.E. Competency Exam, HVAC Excellence: HEAT, NOCTI

Multimedia | CIP 10.9999

Mr. Nathaniel Newsted

In NWCTC's Multimedia Design program, students explore the dynamic worlds of graphic design, photography, animation, web design, desktop publishing, videography and audio. Projects range from classroom assignments to client-based work throughout NWCTC's campus.

Attainable Certifications: Adobe Certified Associate, NOCTI

Networking/Cybersecurity | CIP 11.0901

Mr. James Wilhelm

In NWCTC's Computer Networking & Cyber Security program, topics include installing, configuring, repairing, and managing computer and network hardware and software. Students expand their growing knowledge through theory-based practices as well as hands-on learning experiences.

Attainable Certifications: TestOut PC Pro, Network Pro, Security Pro; CompTIA A+, Net+, Security+, NOCTI

Welding | CIP 48.0508

Mr. George Kirk & Mr. Austin Toy

In NWCTC's Welding program, students will have the opportunity to learn welding skills in a well-funded, state-of-the-art welding facility. Students learn basic and advanced techniques in primary welding processes with a strong emphasis on safety.

Attainable Certifications: AWS, API, ASNT, ASME, NOCTI