

AUTOMOTIVE SERVICE TECHNOLOGY (AST)

It is the mission of high school Automotive Service Technology to instruct students to be competitive in the work force so they can succeed in the 21st century. Automotive Technology is a one-year program that introduces students to basic automotive diagnosis and repair. The program holds a current certification from the ASEEF (ASE Education Foundation). Classes will cover Automotive Service Excellence (ASE) certification areas. This program promotes leadership development, community involvement, and personal growth through SkillsUSA. Upon completion of the course, a student may continue at NWTI as a post-secondary student for further training. This program is available in the afternoon only at NWTI in Springdale. NWTI diploma credit will be awarded to students who successfully pass the course with a 70% or greater.

LEARNING OPPORTUNITIES:

• Brakes • Steering and Suspension • Electrical Systems • Engine Performance

CERTIFICATION OPPORTUNITIES: • ASE Student Certifications (10 areas: Steering/Suspension, Brakes, Electrical/Electronic Systems, Engine Performance, Engine Repair, Automatic Transmission, Manual Drive Train, Heating/Air, Maintenance & Light Repair, Automotive Service Technology,) • SP2 Safety Certification (2 areas: Mechanical Pollution Prevention, Mechanical Safety)

COMPUTER SCIENCE/STEM

The Secondary Career Center's Computer Science program prepares students for careers in the computer science industry. As technology continues to be explored by our students this program allows students hands-on experience with diagnosing, troubleshooting and repairing computers. Different program languages taught in a fun and motivating environment make up our Computer Programming courses. Students will meet twice a month at the Fayetteville Innovation Hub in lieu of class.

LEARNING OPPORTUNITIES: • Install, configure, and deploy network components • Configuration of end-host network systems • Install and configure wireless security settings and implement public key infrastructure • Detect various types of compromise and develop an understanding of penetration testing • Assessing and troubleshooting issues to support organizational security. This program is a rigorous, engaging, and approachable course that explores many of the big, foundational ideas of computing so that all students understand how these concepts are transforming the world we live in.

CERTIFICATION OPPORTUNITIES: • CompTIA A+ • CompTIA Network+

CRIMINAL JUSTICE

This fast-growing profession offers employment opportunities concentrated in law enforcement, corrections, and private security. Students gain an overview of law and employment options. This program is offered in the morning in the Southern Washington County Career Center in Farmington and in the afternoon at the NWACC Main Campus in Bentonville. Students who successfully complete this one-year program can earn up to eighteen (18) college credit hours and a Certificate of Proficiency in Law Enforcement.

LEARNING OPPORTUNITIES • Introduction to Criminal Justice • Foundations of Law Enforcement • Crime Scene Investigations • Criminal Law • Practical application of handcuffing, search & seizure, use of force, and weapon retention

CERTIFICATION OPPORTUNITIES • Certificate of Proficiency in Criminal Justice from Northwest Arkansas Community College • 18 College Credit Hours through Northwest Arkansas Community College • Federal Emergency Management Agency (FEMA) online training (40+ hours) • American Red Cross/American Heart Association CPR & Defibrillator Training • US Department of Homeland Security – Industrial Control Systems Cyber Emergency Response Team Virtual Learning Portal (Cyber Security – 11 Tutorials)

DIESEL TECHNOLOGY (DT)

A shortage of skilled technicians in the diesel and truck industry has created a tremendous opportunity for employment. Because of the highly developed technology used on today's diesel and truck equipment, there is a high demand for certified technicians. This program of study will help prepare students to become adept at analyzing truck component failure, servicing the components, and troubleshooting. Students will develop an awareness of the importance of preventative maintenance and high quality workmanship to diagnose, repair, and service heavy-duty diesel equipment. The Diesel and Truck Technology Department strives to teach employability skills as well as technical skills. Attendance is an important part of learning as well as a success factor in today's workplace. Participation in assignments and projects help develop a variety of skills and is vital to the total education of the student. Regular and prompt attendance is expected in all courses and is necessary in maintaining acceptable grades. Absences due to extenuating circumstances may be excused at the discretion of the instructor.

LEARNING OPPORTUNITIES Electrical\Electronic systems operation and Diagnostic concepts • Precision Measurement tool operation (Dial caliper\Micrometer\Torque tools) • Pneumatic\Hydraulic system operation and Diagnostic concepts • Diesel Engine construction and theory of operation • Accountability, Work\life Integration skills "shoplife" • Problem solving, analytical mindset Intro to Diesel PMI • Intro to Diesel Electrical Systems • • Intro to Diesel Brakes • • Light Diesel Lab

CERTIFICATION OPPORTUNITIES • ASE Student Certifications (4 areas- Air Brakes\System, Electrical\Electronic Systems, Steering/Suspension, Diesel Engine Diagnosis) • SP\2 Safety Certifications (Diesel shop Safety, Environmental Safety, Soft Skills, Resume Creator, Ethics for the Service Industry • Trucklite Electrical Technician Certification (Virtual training) • Forklift Operation\Certification (Virtual training)

HVAC

The HVAC Program provides training to students interested in a career in HVAC. This program provides knowledge and skills relevant to HVAC technicians, and incorporates energy efficiency and green installation techniques. The coursework can help prepare students for the EPA Exam; and we do offer participants the opportunity to take the exam during their time in the program. The courses combine classroom and hands-on lab experience taught by qualified experts in the trade (on the job hours not required).

LEARNING OPPORTUNITIES • Fundamentals of Indoor Air Systems • Controls as Applied to Indoor Air Systems • Applied Indoor Air Systems

CERTIFICATION OPPORTUNITIES • Students are eligible to sit for EPA exam after completing course • 12 College Credit hours at NWACC

MEDICAL PROFESSIONS EDUCATION

Medical Professions Education is designed to give students a broad understanding and occupational awareness of professions within the medical field. Instruction includes theory and laboratory activities in medical terminology, medical procedures, medical professions, and other health related courses.

LEARNING OPPORTUNITIES • Medical Terminology - the language of healthcare • Basic Skills for entry-level positions in healthcare • Customer service, work ethic, teamwork, accountability, communication • CPR, First Aid, HIPAA awareness • Foundational learning in safety, infection control and healthcare systems.

CERTIFICATION OPPORTUNITIES • American Heart Association Basic Life Support for Healthcare Providers • American Heart Association First Aid • HIPAA Training Completion Certificate • Stop the Bleed Training Completion Certificate • Pharmacy Technician Certification

MEDICAL PROFESSIONS EDUCATION (CNA/PCA+)

Certified Nursing Assistant (CNA)

The Certified Nursing Assistant Program is designed to meet the industry driven demand for Certified Nursing Assistants. This course provides the student with an introduction to healthcare, didactic instruction, hands on skills and clinical training. Specifically, basic nursing skills including vital signs, personal care skills and Alzheimer's and Dementia training are covered. This course prepares the successful student to sit for the Arkansas Certified Nursing Assistant Exam. This class meets in the fall for 90 minutes for 16 weeks at the NWACC Center for Health Professions in Bentonville. An additional class meets in the fall for 3 hours for 8 weeks at the Southern Washington County Career Center in Farmington. This schedule is repeated again at the Southern Washington County Career Center in the spring.

Patient Care Assistant (PCA+)

Prerequisite: Successful completion of CNA course. The PCA+ Certificate Program is designed to meet the industry driven demand for Certified Nursing Assistants trained in advanced patient care techniques and possess the knowledge, skills and abilities to excel as a vital member of the healthcare team. This course expands on the student's knowledge of healthcare and introduces advanced patient care skills through hands on lab and clinical training at area hospitals. Students will also explore healthcare legal and ethical issues. This class meets in the spring for 90 minutes for 16 weeks at the NWACC Center for Health Professions in Bentonville. An additional class meets in the fall for 3 hours for 8 weeks at the Southern Washington County Career Center in Farmington. This schedule is repeated again at the Southern Washington County Career Center in the spring.

LEARNING OPPORTUNITIES

The one semester course follows the Arkansas Office of Long Term Care Facility Nursing Assistant Training Curriculum. This course offers medical procedures, nurse assistant skills, direct patient care and provides clinical training in the area of long-term care facilities. After successful completion of the class, the student is eligible to take the Nurse Assistant Certification Exam.

CERTIFICATION OPPORTUNITIES • Successful completion of this program will allow students to sit for State Licensure by taking the Prometric exam for the Nursing Aide Program

• 6 College Credit Hours at NWACC and a Certificate of Proficiency from NWACC

**Possible expenses may include: scrubs, background checks, health checks, and drug tests*

MEDICAL PROFESSIONS EDUCATION (DENTAL)

Dental Assistants are an integral part of the dental care team and increase the efficiency of the dentist in the delivery of oral health care. In addition to computer and clerical skills, dental assistants are proficient in patient care, dietary counseling, monitoring vital signs, administering and monitoring nitrous oxygen, taking

impressions, and providing post-operative care and instructions. Students must be able to provide their own transportation to and from the various clinics. This program is offered in the mornings at the Southern Washington County Career Center in Farmington and the NWACC Main Campus in Bentonville. Internships will be provided in area offices under the guidance of dentists and assistants in the community.

LEARNING OPPORTUNITIES:

Classroom, laboratory, and clinical instruction provide students with a broad background in all aspects of dentistry • Basic Dental Terminology/Procedures • HIPAA • Infection Control/Disease Pathology • Dental professionalism • Dental Pharmacology Terms

CERTIFICATION OPPORTUNITIES • CPR healthcare provider BLS from American Heart Association • Certificate of Proficiency of Dental Assisting • 9 Hours Concurrent Credit NWACC and a Certificate of Proficiency from NWACC

**Possible expenses may include: scrubs, background checks, health checks, and drug tests*

WELDING TECHNOLOGY (WT)

Welding is a high-tech industry that can take you places all over the world. Our welding program is design to help prepare students who have a desire to enter the field of welding. Students who complete the course will be able to read blueprints, do layouts and cut and weld metal. Our program bases its curriculum on the American Welding Society in order to ensure students meet industry standards. This program promotes leadership development, community involvement, and personal growth through SkillsUSA

LEARNING OPPORTUNITIES:

MIG Welding • ARC Welding • Gas Metal Arc Welding • Shielded Metal Arc Welding • Metal Fabrication

CERTIFICATION OPPORTUNITIES • OSHA 10 • AWS (American Welding Society)