

# Northeast Arkansas Career & Technical Center

## 2023-2024





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# Our Mission



Our mission at Northeast Arkansas Career and Technical Center is to provide a transformative educational experience that equips our students with the most competitive skills for future success.



# About NEACTC



Since 1975, we have been dedicated to providing a transformative educational experience that goes beyond the traditional high school classroom setting. We understand that every student is unique, with distinct passions and aspirations. As such, we have designed a dynamic and cutting-edge curriculum that equips our students with the skills, knowledge, and hands-on experience necessary to thrive in their chosen careers.

At NEACTC, we understand the rapidly evolving demands of the modern job market. That's why our programs are carefully crafted in collaboration with our 90 industry partners and local business needs, not only ensuring that our students graduate with the skills that are in high demand but with connections to high-paying jobs immediately out of high school. Whether it's in technology, engineering, healthcare, automotive, or any other field we offer, we aim to prepare our students for success in a competitive world.

Beyond academics, NEACTC fosters a vibrant community of 10th - 12th grade students actively engaging in a diverse range of enriching experiences. From clubs, competitions, and concurrent credit courses to career certifications and community service projects, our students find their passions and unlock their potential.

We believe in more than just academic excellence; we nurture leadership, teamwork, and social responsibility. Our students graduate not only with knowledge but with the skills and character to make a positive impact on their communities and in the professional world.

# High School Partners



Serving 13 diverse districts in the vibrant region of Northeast Arkansas, NEACTC takes great pride in cultivating a robust and highly skilled knowledge workforce poised for the future.



## Bay Public School - Bay High School

Address: 700 School St, Bay, AR 72411

Phone: (870) 781-3297

Students in Tier 1 Programs: 13; Tier 2 Programs: 4; Tier 3 Programs: 5



## Brookland Public School - Brookland High School

Address: 200 West School St, Brookland, AR 72417

Phone: (870) 932-2080

Students in Tier 1 Programs: 20; Tier 2 Programs: 9; Tier 3 Programs: 3



## Buffalo Island Central Public School - Buffalo Island Central High School

803 Drew Ave, Monette, AR 72447

Phone: (870) 486-5512

Students in Tier 1 Programs: 5; Tier 2 Programs: 2; Tier 3 Programs: 0

## Greene County Public School - Greene County Tech High School

Address: 4601 Linwood Dr, Paragould, AR 72450

Phone: (870) 215-4460

Students in Tier 1 Programs: 4; Tier 2 Programs: 8; Tier 3 Programs: 3

## Harrisburg Public School - Harrisburg High School

Address: 401 W South, Harrisburg, AR 72432

Phone: (870) 578-2417

Students in Tier 1 Programs: 5; Tier 2 Programs: 6; Tier 3 Programs: 0

## Jonesboro Public School - The Academies at Jonesboro High School

Address: 301 Hurricane Dr, Jonesboro, AR 72401

Phone: (870) 933-5881

Students in Tier 1 Programs: 176; Tier 2 Programs: 235; Tier 3 Programs: 76





## **Lawrence County Public School - Walnut Ridge High School**

Address: 508 E Free St, Walnut Ridge, AR 72476

Phone: (870) 886-6623

Students in Tier 1 Programs: 12; Tier 2 Programs: 11; Tier 3 Programs: 4



## **Nettleton Public School - Nettleton High School**

Address: 4201 Chieftan Ln, Jonesboro, AR 72401

Phone: (870) 910-7805

Students in Tier 1 Programs: 33; Tier 2 Programs: 8; Tier 3 Programs: 15



## **Paragould Public Schools - Paragould High School**

Address: 1701 W Court St, Paragould, AR 72450

Phone: (870) 240-2271

Students in Tier 1 Programs: 17; Tier 2 Programs: 29; Tier 3 Programs: 8



## **Trumann Public School - Trumann High School**

Address: 1620 W Main St, Trumann, AR 72472

Phone: (870) 483-5301

Students in Tier 1 Programs: 7; Tier 2 Programs: 7; Tier 3 Programs: 6



## **Valley View Public School - Valley View High School**

Address: 2116 Yarbrough Dr, Jonesboro, AR 72404

Phone: (870) 932-3737

Students in Tier 1 Programs: 13; Tier 2 Programs: 2; Tier 3 Programs: 8



## **Riverside Public School - Riverside High School**

Address: 2007 AR-18, Lake City, AR 72437

Phone: (870) 237-4328

Students in Tier 1 Programs: 7; Tier 2 Programs: 7; Tier 3 Programs: 1



## **Westside Public School - Westside High School**

Address: 1630 Highway 91 West Jonesboro, AR 72404

Phone: (870) 935-7501

Students in Tier 1 Programs: 25; Tier 2 Programs: 26; Tier 3 Programs: 11

# University Partners



Our concurrent credit students accomplished an astounding 1626 hours of college credit during the 2022-2023 school year. It's with immense pride that we share that 82 of our concurrent credit students graduated college with a Certificate of Proficiency (CP) Degree before their high school graduation. Additionally, we are thrilled to have granted 663 career certifications center-wide, setting our students on a path to career success.



## **Arkansas State University - Newport**

Address: 7648 Victory Blvd. Newport, AR 72112

Phone: (870) 512-7800

### **NEACTC programs aligned with ASUN for concurrent credit:**

Engineering Design & Production

Construction/HVACR

Computer Science Networking

Welding

Certified Nursing Assistant

Robotics & Automation Technology

Medical Professions



## **University of Arkansas - Pulaski Technical College**

Address: 3000 W Scenic Dr, North Little Rock, AR 72118

Phone: (501) 812-2200

### **NEACTC programs aligned with UA-PTC for concurrent credit:**

Culinary Arts

Auto Collision

# Programs



## Welding Technology & Fabrication

The Welding Program of Study is designed to provide a multitude of skills to prepare students for careers in Northeast Arkansas or abroad. Students will become proficient in shielded metal arc welding (SMAW or “stick” welding), pipe welding, gas metal arc welding (GMAW or “mig” welding), and gas tungsten arc welding (GTAW or “tig” welding). Students will be trained in the following fabrication techniques: Structural Steel (bridges, buildings, skyscrapers, etc), High Octane Sports (off road racing, mud racing, Nascar, any sport that needs safety roll cages), and Prototype Structures (trucks). Very high-wage, high-demand career opportunities are available for various positions in the field of welding not only in NEA, but globally. Training aids include Lincoln welders similar to those utilized in local industry. Welding simulators allow conservation of raw materials with the most advanced student learning experience available today. Students are expected to become proficient welders while attaining national NCCER and AWS certification. Students may attend for Year 2 if they meet prerequisite guidelines.

### Courses Offered:

- Skilled Trades: Manufacturing (1 hour credit)
- Intro to SMAW (1 hour credit)
- Welding Lab (1 hour credit)
- Advanced SMAW (1 hour credit)
- Gas Metal Arc Welding (1 hour credit)

### Concurrent Credit

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 6 hours of college credit through our Welding program. The current available college credit courses are Intro to SMAW (3 hours) and Gas Metal Arc Welding (3 hours).

### Certifications

The certifications that we currently offer in our Welding Technology & Fabrication program are the following: AWS and Forklift

### Premier Industry Partners

Hytrol, Camfil, and O'Reilly Auto Parts



# Engineering Design & Production

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Advanced Technology For Design and Production, and Systems of Advanced Technology highlight this highly skills-based program of study, which offers several entry level skills and competencies necessary to compete for lucrative careers in manufacturing. Conventional G&M coding, computer aided drafting and design (CAD), computer aided manufacturing (CAM), 3-D printing, metal fabrication, and concepts in metallurgy are components of the advanced manufacturing program of study. Skills acquired will lead to student careers in CNC programming, CNC operators, entry-level machinists, and quality control technicians, as well as providing a pathway into secondary education in the fields of technology design and engineering. Students use software programs such as Immerse2Learn, Auto Desk Inventor, SolidWorks, Robot C, and FeatureCAM. Students have the opportunity to join our NASA hardware team. Students gain experience in Aerospace manufacturing via the NASA HUNCH program, which allows students in the Advanced Manufacturing program to make hardware used in the International Space Station, and other Aerospace systems. Year 2 available for this course.

## **Courses Offered:**

- Materials measurement Safety (1 hour credit)
- Job Planning Benchwork Layout (1 hour credit)
- Advanced Manufacturing Lab (1 hour credit)
- CNC Turning I (1 hour credit)
- CNC Milling (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 14 hours of college credit through our Advanced Manufacturing program. The current available college credit courses are the following: year 1 students- Materials, Measurement & Safety (3 hours) and Job Planning, Benchwork, and Layout (3 hours); year 2 students- CNC Turning (4 hours) and CNC Milling (4 hours) .

## **Certifications**

Our Advanced Manufacturing program has a lot of career focused certifications to offer students. Those certifications are the following: FeatureCam, Cad/Cam, Fusion 360 Cad/Cam, Immerse2Learn (HAAS), HAAS CNC Lathe 1st & 2nd year, HAAS CNC Mill 1st & 2nd year, NIMS Level I & II CNC Mill, NIMS Level I & II CNC Lathe.

## **Premier Industry Partners**

Fabco, Southern Cast Products, Jonesboro Tool & Die, and Erosion Technologies Inc.

# Industrial Technology

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Industrial Technology is a career based technical program that can be a valuable course of study for any student. Industrial Technology students will explore the manufacturing process learning to improve the development of products as well as learn about general safety and OSHA compliance. Students will develop continuous improvement skills through 5S implementation. Students will study the basic components of construction, installation, and maintenance of industrial equipment. Through skill-based and hands-on learning students will develop the skills needed to design, install, maintain industrial equipment. Students will study electrical, mechanical, hydraulics and pneumatics. Advanced students will work in automation and robotics learning how to design efficient work environments. The knowledge and skills acquired through Industrial Technology will prepare students to work in high demand careers.

## **Courses Offered:**

- Industrial Mechanical Maintenance (1 hour credit)
- Basic Electrical Schematics/Motor Controls (1 hour credit)
- Industrial Technologies Lab (1 hour credit)
- Principles Industrial Hydraulics (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 9 hours of college credit through our Industrial Technology program. The current available college credit courses are the following: year 1 students- Industrial Mechanical Maintenance (3 hours) and Basic Electrical Schematics & Motor Controls (3 hours); year 2 students- Principals of Industrial Hydraulics (3 hours).

## **Certifications**

The certifications that we currently offer in our Industrial Technology program are the following: S/P2, Forklift, and OSHA 10.

## **Premier Industry Partners**

Nucor and Martin Sprocket

# Automotive Service Technology

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Automotive Service Technology offers a rich tradition as the first accredited AYES apprenticeship program in the state of Arkansas (2000). All equipment is state-of-the art including training software, diagnostics, and service equipment. Another highly skills-based program of study, auto service provides opportunities for students to become proficient in automotive service, and prepare to embark upon careers as service technicians in high demand, high wage earning positions throughout the automotive service industry. The auto service program is certified by the National Automotive Technicians Education Foundation (NATEF). The auto service program of study offers instruction in engine performance, brakes, electrical systems, and suspension and steering.

## **Courses Offered:**

- Electrical Systems/HVAC (1 hour credit)
- Suspension and Steerings (1 hour credit)
- Automotive Service Lab (1 hour credit)
- Brakes (1 hour credit)
- Engine Performance/Repair (1 hour credit)

## **Concurrent Credit**

Unfortunately, our Automotive Service Technology program does not offer any concurrent credit at this time.

## **Certifications**

The certifications that we currently offer in our Auto Collision program are the following: ASE student Certifications in Brakes, Steering & Suspension, Electrical Systems, Engine Performance, and MLR (Maintenance and Light Repair).

## **Premier Industry Partners**

O'Reilly and Central Dealerships of Jonesboro

# Construction & HVAC/R

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HVACR is a hands-on skills-based program of study designed to prepare students for immediate employment in the HVAC industry. Foremost instruction in electrical diagramming and wiring is combined with lab activities where participants complete several competency activities in electrical wiring. Students utilize a number of training aids in the HVACR lab including window air conditioners, R134A, R404A, R410A, and residential split systems, gas-fired furnaces, residential heat pumps, reach-in coolers, and commercial ice makers. Skills-based learning includes activities including soldering, brazing, R407c, troubleshooting, service, repair, and installation of gas and electric, refrigerated units and air conditioners. Students compete in local and regional electrical wiring competitions as well as HVACR competitions. Students can earn free EPA 608 certifications and free college concurrent credit. Year 2 per teacher recommendation

## **Courses Offered:**

### **Year 1**

- Intro Airconditioning (1 hour credit)
- HVAC/R II (1 hour credit)
- HVAC/R Lab (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 4 hours of college credit through our Construction/HVACR program.

## **Certifications**

The certifications that we currently offer in our Construction/HVACR program are the following: EPA Universal, 410A, Preventative Maintenance (PM).

## **Premier Industry Partners**

AirToday, Trane, and Johnstone



# UAS/Drones

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In Unmanned Aerial Systems (UAS), students learn about drones and unmanned aerial systems technology. This course begins with a historical study of drones and terminology for commercial applications in various industries. It is an in-depth study of drone systems, air safety, regulations, legislation, the principles of flight and video production. Students develop piloting skills through computer-based flight simulators and flying drills with commercial-grade drones through community projects. Students will learn to design and assemble drone kits by using small hand tools and soldering techniques. At the end of this course students should be prepared to take their FAA Part 107 certification exam in order to get paid for flying drones commercially.

## **Courses Offered:**

- UAS I (1 hour credit)
- UAS II (1 hour credit)
- UAS III (1 hour credit)
- UAS Lab (1 hour credit)

## **Concurrent Credit**

Unfortunately, our UAS/Drones program does not offer any concurrent credit at this time.

## **Certifications**

The certifications that we currently offer in our UAS/Drones program are the following: FAA Part 107, Remote Pilot Airman Certificate and FAA TRUST.

## **Premier Industry Partners**

Southern Drone Ops and Northeast Arkansas Board of REALTORS

# Computer Networking

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This multi-year program provides students with the necessary foundation to begin a career in the IT sector. Students learn how to build, troubleshoot, and repair computers; design, install, and maintain a network of computing devices; and secure and defend networks using cybersecurity best practices. Developing proficiency with various operating systems, such as Linux, Windows, OS-X, Android, and iOS, is a key component of this program. Numerous hands-on lab activities include computer component identification, troubleshooting, software installation, data cabling, mobile device management, and server configuration. Students can earn concurrent college credit through participation in this program. Students receive a computer science “flex” credit that can potentially satisfy the final Math or Science graduation requirement.

## **Courses Offered:**

- Networking I (1 hour credit)
- Computer Science Independent Study (1 hour credit)
- Networking II (1 hour credit)
- Advanced Networking (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 9 hours of college credit through our Computer Networking program. The current available college credit courses are the following: year 1 students- PC Troubleshooting and Repair I (3 hours); year 2 students- Intro to Networking Security (3 hours) and PC Troubleshooting and Repair II (3 hours).

## **Certifications**

The certifications that we currently offer in our Computer Networking program are the following: TestOut PC Pro, Network Pro, and CyberDefense Pro, CompTIA A+, CompTIA ITF+, and CompTIA Network+.

## **Premier Industry Partners**

K3 Computers, Cusi, and M3 IT Professionals

# Certified Nursing Assistant

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Certified Nursing Assistant is an advanced study of nursing and patient care techniques with preference given to seniors and/or students that have completed year one in Medical Professions. (Sophomores will not be considered for this course) Strong emphasis is on nursing assistant technical skills, professional relationships and workplace ethics. Critical skills gained allow students to earn a Certified Nursing Assistant Certification, and also a CPR, AED, and Heartsaver First Aid Certification. Students will complete 16 hours of clinical skills in a nursing care facility which makes them eligible for the CNA Certification. Certified Nursing Assistant students are able to work towards obtaining a CP Degree in CNA through ASUN.

## **Courses Offered:**

- Certified Nurses Aid (1 hour credit)
- Medical Professions Expanded (0.5 hour credit)
- Medical Procedures Expanded (0.5 hour credit)
- Medical Lab (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 8 hours of college credit through our CNA program. The current available college credit courses are the following: CPR & First Aid (1 hours) and Certified Nursing Assistant (7 hours).

## **Certifications**

The certifications that we currently offer in our CNA program are the following: CNA Certified Nursing Assistant, BLS First Aid, CPR & AED.

## **Premier Industry Partners**

Ridgecrest Health & Rehabilitation and Monette Manor

# Medical Professions

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Medical Professions provides a general overview of the many health-related occupations with emphasis on Human Anatomy and Foundations of Healthcare. Human Anatomy and Physiology is a core course in this program of study focusing on the body systems and how those body systems function to keep the human body in homeostasis. Critical knowledge obtained includes medical terminology, vital signs, safety, infection control, processes of disease, and employability skills necessary for successful careers in the healthcare industry.

## **Courses Offered:**

- Foundations of Health Care (1 hour credit)
- Anatomy & Physiology (1 hour credit)
- Medical Lab (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through ASUN. Enrolled students have the opportunity to receive up to 4 hours of college credit through our Medical Professions program. The current available college credit courses are the following: Body Structure and Function (4 hours).

## **Certifications**

The certifications that we currently offer in our Medical Professions program are the following: Heartsaver CPR, AED, First Aid, and National Registry Of Emergency Medical Technician - RESPONDER.

## **Premier Industry Partners**

St. Bernards, Emerson Ambulance, and Medic One



# Auto Collision Technology

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Automotive Collision Technology is a highly skills-based program of study providing opportunities for students to become proficient in this field, and prepare to embark upon careers in auto collision repair. The auto collision program and instructor are certified by the ASE Education Foundation, which allows students to learn critical skills and ultimately, to test for ASE certification, a requirement for technicians in dealerships and independent auto collision repair centers nationwide. Students are expected to take and pass ASE certification exams upon completion of the course. The auto collision program of study includes painting, refinishing, structural, and non-structural analysis

## **Courses Offered:**

- Intro to Collision (1 hour credit)
- Automotive Collision Lab (1 hour credit)
- Painting (1 hour credit)
- Structural Analysis/Repair (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through UAPTC. Enrolled students have the opportunity to receive up to 10 hours of college credit through our Auto Collision. The current available college credit courses are the following: Painting 1 (6 hours) and Intro to Collision Repair (4 hours).

## **Certifications**

The certifications that we currently offer in our Auto Collision program are the following: ASE student certifications in Painting and Refinishing, Structural Analysis and Damage Repair, Non-structural Analysis and Mechanical and Electrical.

## **Premier Industry Partners**

O'Reilly, Central Dealerships of Jonesboro, and Sherwin-Williams

# Culinary Arts

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Culinary Arts provides basic introductory skills in the field of culinary arts, including basic cooking techniques, menu planning, nutrition, culinary math, safety, and sanitation. Students become proficient in the development of essential food safety practices necessary to select, receive, store, prepare, and serve food. Students create and implement food safety procedures based on the FDA food code and local regulations to apply sound sanitation practices. Advanced culinary skills, techniques, service, presentation, and management knowledge are mastered as the course advances into the second year of study, where in-depth studies of the professional kitchen and culinary applications are featured

## **Courses Offered:**

- Food Production I (1 hour credit)
- Food Production II (1 hour credit)
- Applied Food Service Sanitation (1 hour credit)
- Arkansas Hospitality Tourism (1 hour credit)
- Culinary Lab (1 hour credit)

## **Concurrent Credit**

College credit is available at no cost to students through UAPTC. Enrolled students have the opportunity to receive up to 15 hours of college credit through our Culinary Arts program. The current available college credit courses are the following: year 1 students- Food Production I (3 hours) and Applied Food Service (3 hours); year 2 students- Food Production II (3 hours), Intro to Hospitality (3 hours), and Fundamentals of Tourism (3 hours).

## **Certifications**

The certifications that we currently offer in our Culinary Arts/Hospitality program are the following: ServSafe Food Handler, ServSafe Food Manager and SP/2 Culinary Safety Certification.

## **Premier Industry Partners**

Newk's and Popeye's

# NEACTC vs. Partner Universities



Presented below are the programs of study available at NEACTC. Following each program, you will find a comprehensive list of partner universities that also provide the same program on their campuses.

## WELDING & FABRICATION

- NEACTC
- ASUN
- UA-PTC

## ENGINEERING DESIGN & PRODUCTION

- NEACTC
- ASUN
- UA-PTC

## INDUSTRIAL TECHNOLOGY

- NEACTC
- ASUN
- UA-PTC

## CONSTRUCTION & HVAC/R

- NEACTC
- ASUN
- UA-PTC

## COMPUTER NETWORKING

- NEACTC
- ASUN
- UA-PTC

## UAS/DRONES

- NEACTC

## AUTO COLLISION

- NEACTC
- UA-PTC

## AUTO SERVICE

- NEACTC
- ASUN
- UA-PTC

## MEDICAL PROFESSIONS

- NEACTC
- ASUN

## CERTIFIED NURSING ASSISTANT

- NEACTC
- ASUN
- UA-PTC

## CULINARY ARTS

- NEACTC
- ASUN
- UA-PTC