

2024 - 25 A-B Tech FIND YOUR **FUTURE**



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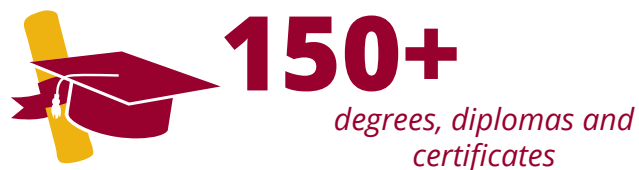
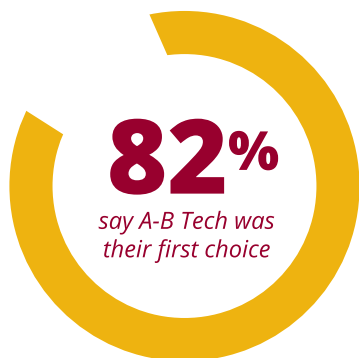
WHY A-B TECH?

Founded in 1959 in the heart of Asheville, A-B Tech is the largest higher education institution in Western North Carolina, serving more than 23,000 students a year in Buncombe and Madison counties. Located on a picturesque campus bordered by the Biltmore Estate, Asheville High School, and Mission Health, A-B Tech attracts local residents, as well as students from across the country who are drawn to Asheville's mountains and thriving community. A-B Tech also serves our students from other locations, including A-B Tech Madison; A-B Tech Woodfin, home to our Emergency Services division; A-B Tech Enka, where our Small Business Center and Incubation program and the Craft Beverage Institute of the Southeast are located; Goodwill and Transformation Village in West Asheville; and a future location at Biltmore Park West.

A-B Tech's student population ranges from high school dual enrolled students to older adults who are changing careers. More than 80% of our students say A-B Tech was their top choice for attending college. Their primary reasons include:

- **Quality education that qualifies graduates for in-demand jobs or guaranteed transfer to any NC public college or university**
- **75% less debt compared to four-year public colleges and universities**
- **Qualified, caring faculty**
- **Small class sizes**
- **Customized and short-term workforce training and apprenticeships developed with employers**

Many A-B Tech graduates establish successful careers after earning a degree, diploma or certificate from the College, while others go on to obtain four-year and advanced degrees. Our alumni include doctors, lawyers, engineers, software designers, international master chefs, the manager of a manufacturing company in Hong Kong, a school system superintendent, a saké brewery in Vietnam, and an American Idol winner. You'll also find A-B Tech graduates in virtually any business in our region: they are the healthcare workers, accountants, engineers, veterinary techs, IT professionals, machinists, chefs, hotel managers, paramedics, police officers, firefighters, and more.



MAP KEY

Asheville Campus

340 Victoria Road
Asheville, NC 28801
828-398-7900

A-B Tech Enka

1459 Sand Hill Rd.
Candler, NC 28715
828-398-7900
abtech.edu/enka

A-B Tech Madison

4646 US 25-70
Marshall, NC 28753
828-398-7700
abtech.edu/madison

A-B Tech Woodfin

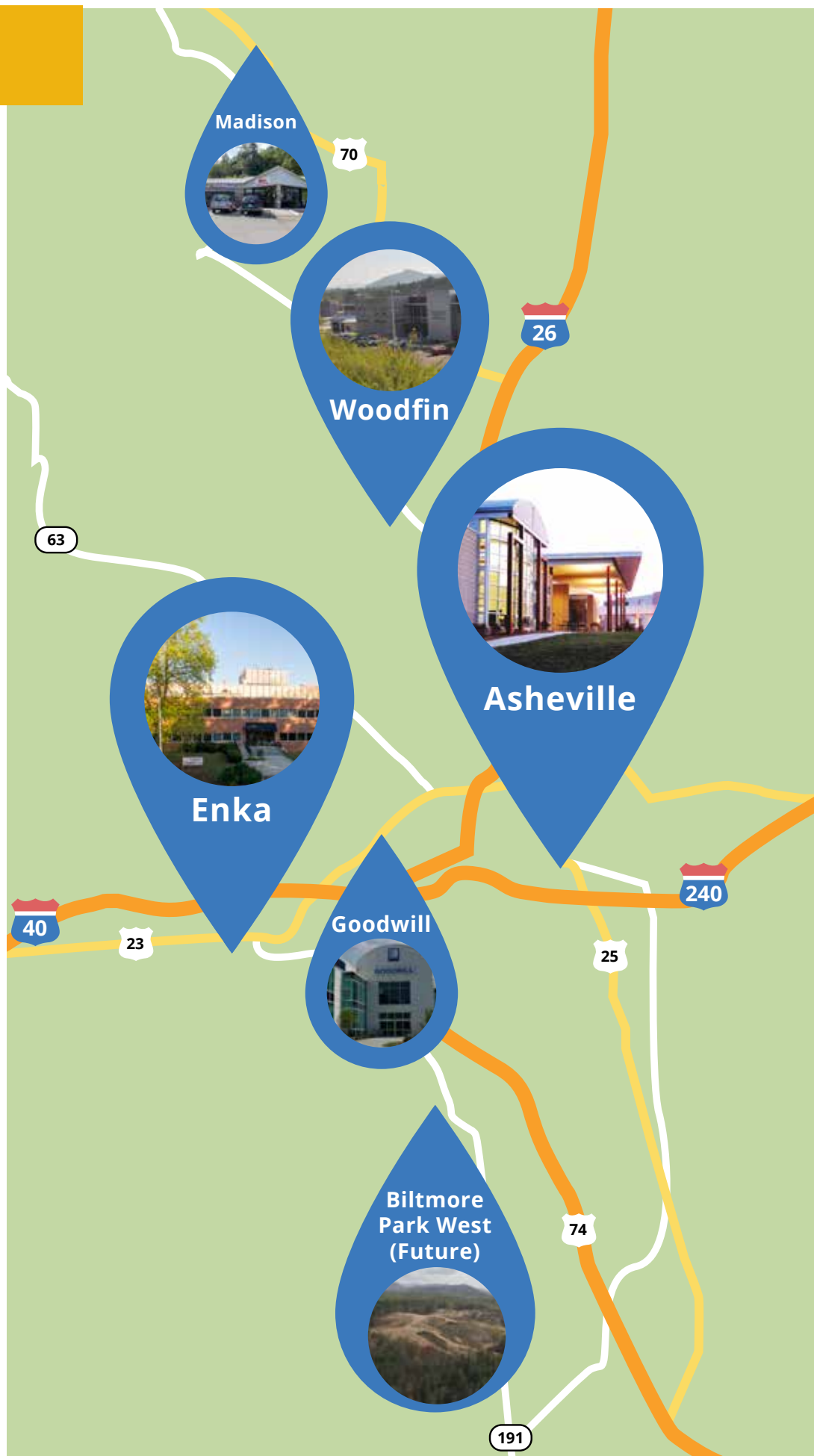
24 Canoe Lane
Woodfin, NC 28804
828-398-7900
abtech.edu/woodfin

Goodwill Workforce Training Center

1616 Patton Avenue
Asheville, NC 28806
828-298-9023
abtech.edu/goodwill

A-B Tech at Biltmore Park West

(future)



WHAT'S NEW!

abtech.edu/programs



Scan the QR Code
for more information

**GET MONEY
FOR COLLEGE
THAT YOU
DON'T HAVE
TO PAY BACK!**

Get Free Tuition with the Next NC Scholarship!


NEW PROGRAMS!

IT Artificial Intelligence, p. 20

and Biomedical Equipment Technology, p.25



UNIVERSITY TRANSFER PROGRAMS: abtech.edu/transfer

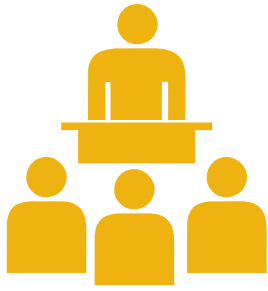


A-B Tech's University Transfer Programs provides students with a knowledge base of historical, societal and environmental contexts for succeeding in the changing global community.

Approximately half of Transfer students enroll at A-B Tech to save money by earning an associate degree, which qualifies as the first two years of a bachelor's degree at any of North Carolina's 16 public college and universities. Through the Comprehensive Articulation Agreement with the University of North Carolina System, our degrees are designed to better serve students by reducing the number of required hours, ensuring transfer of courses to UNC institutions, and providing clear pathways to graduation.

AVAILABLE PROGRAMS

- Associate in Arts
- Associate in Science
- Associate in Engineering
- Associate in Fine Arts in Visual Arts
- 100% Online Associate in Arts



**AVERAGE
CLASS SIZE IS**

**14
STUDENTS**



**100%
OF**

**UNC SYSTEM
SCHOOLS ACCEPT
TRANSFER CREDITS
FROM A-B TECH**



**75%
LESS
DEBT THAN
TRADITIONAL
COLLEGES**

Associate in Arts

Associate in Engineering

Associate in Fine Arts in Visual Arts

Associate in Science

These degrees provide the first two years of general education credit needed for a bachelor's degree in either arts, fine arts or science.

College Transfer Pathways

The College Transfer Program offers different targeted pathways in areas including math, science, engineering, communication, humanities, social and behavioral sciences.

Associate of Arts (AA)

Accelerated AA

Business, Accounting, and Finance

Communication

Construction Management

Creative Arts

Criminal Justice

English

Foreign Language

General

History

Information Systems

Nutrition

Philosophy

Political Science

Pre-Health

Psychology

Social Work

Sociology

(College Transfer Pathways, continued)

Associate of Science (AS)

- Architecture
- Biology
- Chemistry
- Computer Science – General
- Computer Science – Computer Systems
- Environmental Science
- General
- Math
- Physics
- Pre-Dental
- Pre-Engineering
- Pre-Med
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physician’s Assistant
- Pre-Veterinarian

Associate of Engineering

- Chemical Engineering
- Civil Engineering, General

Associate of Fine Arts in Visual Arts (AFA)

- Associate in Fine Arts – Graphic Design Pathway
- Associate in Fine Arts – Studio Art Pathway
- Film
- Interior Design



ALLIED HEALTH AND SCHOOL OF NURSING



As the College's oldest division, Allied Health offers a variety of programs designed to meet the demand for specialized healthcare professionals in Western North Carolina and beyond. The programs cover a broad range of career options from laboratory work to direct patient care in medical offices, hospitals, and other healthcare facilities.



In addition to classroom training and laboratory instruction, each program includes clinical education at healthcare facilities throughout the area. This extensive clinical, pre-hospital or laboratory training gives students a unique opportunity to develop the specialized skills required for employment in a healthcare profession.

Allied Health and the School of Nursing are located in the state-of-the-art Ferguson Center for Allied Health and Workforce Development Building. It includes classrooms, labs, and clinical areas designed to replicate a modern hospital environment.



Community Health Worker, Clinical Massage and Phlebotomy programs also are available in Continuing Education. Learn more at abtech.edu/CE.

ALLIED HEALTH PROGRAMS

Dental Assisting

The diploma trains students to assist the dentist in the delivery of dental treatment and in related office and laboratory settings.

Dental Hygiene

Students will learn to prepare work areas, take patient histories, plan care, clean teeth, take x-rays, apply preventative agents and perform other procedures related to dental hygiene care.

Medical Assisting

Medical assistants have a large amount of variety in their jobs and are cross-trained to perform administrative and clinical duties. Students in the program can expect to draw blood and perform basic laboratory tests.

Medical Laboratory Technology

Medical laboratory technicians perform procedures in chemistry, hematology, microbiology and immunohematology. Results are used in the maintenance and health and diagnosis/treatment of diseases.

Occupational Therapy Assisting

Occupational Therapy Assistants work under the supervision of Occupational Therapists providing treatment for people of all ages who have had trauma or disease that inhibits their ability to function normally. OTAs work in a variety of locations, primarily in outpatient clinics, hospitals, schools, home health and nursing care facilities.

Radiography

Radiographers are skilled health care professionals who use radiation to produce images of the human body. Clinical education is the most important component of learning medical radiography. This involves many hours per week at clinical sites performing radiography as a learner.

Sonography

Cardiovascular Sonography

The Cardiovascular Sonography curriculum provides the individual with the knowledge and skills necessary to acquire, process, and evaluate the human heart and vascular structures. A cardiovascular sonographer uses high-frequency sound waves to produce images of the heart and vascular structures.

Medical Sonography

Sonographers are skilled health care professionals who use high frequency sound waves to produce images of organs, tissues or blood flow inside the body. While the most commonly known use for sonography is in obstetrics/gynecology, it is also used for the abdomen, vascular systems and internal organs.

Surgical Technology

Certified Surgical Technologists prepare operating rooms through sterile setup, assist surgeons during operations and are responsible for post-op material and instrument care and accounting. They may also function in a non-sterile role by keeping a written account of the surgical procedure and assisting the anesthesiologist.

Veterinary Medical Technology

The Veterinary Medical Technology program at A-B Tech provides hands-on training and experience with small and large animals. Our classes and labs are taught in the Ferguson Center for Allied Health and Workforce Development on A-B Tech's main campus and clinical training occurs at the A-B Tech Animal Care Campus, where our faculty and students provide animal care for the adjoining Asheville Humane Society and Buncombe County Animal Shelter. The program also works with more than 50 veterinary hospitals, several specialty practices, and many farms.



For Medical Coding and Medical Office Administration, see p. 21

NEW!

For Biomedical Equipment Technology, See p. 25 (under Engineering).

SCHOOL OF NURSING

The A-B Tech School of Nursing was established in 2023 to recognize the College's leadership and legacy in nursing education for Western North Carolina. When the College was founded in 1959, it assumed administration of the Asheville School of Practical Nursing. A-B Tech offered the Licensed Practical Nursing (LPN) program until 2015 and revived it in 2023 to help address increasing demand for nurses.

The new A-B Tech School of Nursing includes A-B Tech's Associate Degree Nursing program (founded in 1970), the Regionally Increasing Baccalaureate Nurses (RIBN) program with Western Carolina University, the LPN program, and the Certified Nursing Assistant (CNA) program.

Associate Degree Nursing

The Associate Degree Nursing (ADN) curriculum provides knowledge, skills, and strategies to integrate safety and quality into nursing care, to practice in a dynamic environment, and to meet individual needs which impact health, quality of life, and achievement of potential. Graduates are eligible to take the National Council Licensure Examination (NCLEX-RN), which is required for practice as a registered nurse (RN). Employment opportunities are vast within the global healthcare system and may include positions within acute, chronic, extended, industrial, and community healthcare facilities. As of 2024, the program also has a Paramedic to ADN track.

The A-B Tech Associate Degree Nursing Program is fully approved by the North Carolina Board of Nursing and accredited by the National League for Nursing Commission for Nursing Education Accreditation (NLN CNEA). Our 2023 and 2024 graduates had **100% passing rates** on the NCLEX-RN Exam!



Nursing RIBN Programs

The RIBN (Regionally Increasing Baccalaureate Nurses) program dually admits and enrolls students to A-B Tech and Western Carolina University to provide a four-year seamless associate to baccalaureate nursing education.

Practical Nursing (LPN)

This curriculum prepares individuals with the knowledge and skills to provide nursing care to children and adults. Students will participate in assessment, planning, implementing, and evaluating nursing care. Graduates of this program are eligible to apply to take the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Practical Nurse. Employment opportunities include hospitals, rehabilitation facilities, long-term care facilities, clinics, physician's offices, and home health agencies.



Nurse Aide (CNA)

The Nurse Aide program in Continuing Education is part of the School of Nursing. Upon satisfactory completion of the Nurse Aide Course, including skills competency evaluation, graduates are eligible to apply for testing as a Nurse Aide I by the North Carolina Division of Facility Services to be listed as a Certified Nurse Aide. This is short-term training that prepares individuals to work as caregivers in a healthcare setting, such as nursing homes, hospitals, or home healthcare. Nurse Aide also helps prepare students for further nursing education. Learn more at [abtech.edu/CNA](https://www.abtech.edu/CNA).



COSMETOLOGY

Cosmetology, Esthetics and Manicuring

These programs provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology and nail technology industries. Classes are taught in a simulated salon environment that enables students to develop practical skills.



Course work includes instruction in all phases of professional imaging, hair design, chemical processes, skin care, nail care, multi-cultural practices, business/computer principles, product knowledge, and other selected topics.



Clinical Massage also is available through Continuing Education.
Learn more at abtech.edu/CE

CULINARY ARTS & HOSPITALITY



Student Culinary Team wins 2024 National Championship: A-B Tech's student culinary team won the American Culinary Federation National Finals in July. It marked a record-setting 15th time an A-B Tech team has competed in the National finals and the college's second national title.

Culinary Arts

A-B Tech's renowned Culinary Arts program provides students with the fundamental knowledge and skills essential in entry-level positions in the culinary industry. Accredited by the American Culinary Federation, the program features practical educational experiences through five state-of-the-art kitchens with an on-campus restaurant with a banquet room and five dining rooms.

Graduates should qualify for entry-level opportunities including prep cook, line cook and station chef. With experience, graduates may advance to sous chef, executive chef or food service manager. American Culinary Federation certification is available to graduates. Learn more at abtech.edu/culinary.

Degrees and Certificates:

- Culinary Arts AAS
- Baking & Pastry Arts Certificate
- Culinary Studies Certificate
- Therapeutic Culinary Certificate
- Practical Meat-Cutting Certificate

- ServSafe Manager Certification also is available through Continuing Education. Learn more at abtech.edu/CE.

Hospitality Management

Hospitality Management prepares individuals to understand and apply the administrative and practical skills needed for supervisory and managerial positions in hotels, motels, resorts, inns, restaurants, institutions, and clubs.

Our graduates qualify for management or entry-level supervisory positions in food and lodging operations.

Practical Experience

All Hospitality Management students get practical experience that prepares them for future careers in the industry. In addition to serving internships in hotels, restaurants and other hospitality businesses, they practice the preparation of foods and a variety of service levels in the Brumit Center for Culinary Arts & Hospitality dining rooms and commercial kitchens. Students also operate and maintain A-B Tech's Mountain Tech Lodge, where they receive practical instruction under direction of faculty.



Degree and Certificates:

- Food Truck Operations
- Hospitality Management AAS
- Hospitality Management Certificate
- Restaurant Management Certificate

**A-B Tech opened
Mountain Tech Lodge
in 1968 to give students
hands-on training.**



CRAFT BEVERAGE INSTITUTE OF THE SOUTHEAST®



The Craft Beverage Institute of the Southeast® (CBI) at A-B Tech was founded in 2013 to support the rapidly growing craft beverage industry in Western North Carolina and the Southeast by providing workforce education and training in brewing, distilling, fermentation, and related business practices. Its Brewing, Distillation and Fermentation AAS degree was the first two-year program in the nation. The CBI has alumni working in key craft beverage industry positions throughout WNC, the nation, and even internationally.

The CBI is located at A-B Tech Enka in an 8,000-square-foot facility with commercial brewing, distillery and winemaking equipment, laboratories, classrooms, and a podcast studio. The program prepares individuals for positions in brewery and distillery operations and management, distribution, sales and marketing, and customer service or to be self-employed and open their own craft production facility. In addition to learning brewing, distillation, and winemaking best practices, students perform experiments and vet their production output via sensory evaluations. They also serve internships in craft beverage businesses throughout the area. Learn more at abtech.edu/CBI.

Degrees and Certificates:

- Brewing, Distillation and Fermentation AAS
- Brewing Methods and Operations Diploma
- Distillation Methods and Operations Diploma
- Craft Beverage Lab Certificate



A-B Tech is home to the first 2-year Brewing, Distillation and Fermentation program in the U.S.!

EDUCATION & WELLNESS

Early Childhood Education and Teacher Preparation

Formerly the Early Childhood Education Department, A-B Tech has broadened our scope to add the new Associate of Arts and Associate of Science in Teacher Preparation degrees to our department. We now support students who desire to teach not only early childhood education but also K-12 education teacher preparation in response to the growing need for qualified teachers for all ages in North Carolina, particularly in the wnc region.

The Education Department is committed to teacher preparation for children of all ages. The Education degree programs are considered open enrollment, meaning that there is not a limit to the number of students who enroll nor, are there additional expectations beyond the regular college entry process. Students may enter the Early Childhood or Teacher Preparation degrees or Early Childhood & Infant-Toddler certificate tracks at any point in the academic year. Learn more at abtech.edu/education.



Degrees and Certificates:

- Associate of Arts in Teacher Preparation
- Associate of Science in Teacher Preparation
- Early Childhood Education AAS
- NC Early Childhood Credential





Health and Fitness Science

This program is designed to provide students with the knowledge and skills necessary for employment in the fitness and exercise industry. Students are trained in exercise science and be able to administer basic fitness tests and health risk appraisals, teach specific exercise and fitness classes and provide instruction in the proper use of exercise equipment and facilities. Learn more at abtech.edu/health-and-fitness.

Social and Human Services

The Social and Human Services curriculum prepares students for entry-level positions in institutions and agencies which provide social, community, and behavioral health services. Along with core courses, students take courses which prepare them for specialization in specific human service areas.

Coursework includes the development of professional knowledge, skills, and values in human services. Opportunities for experiential learning allow students to apply knowledge and skills learned in the classroom. Graduates should qualify for positions in government, private, and nonprofit social and human services agencies. Graduates may choose to transfer and continue their education at a variety of colleges and universities. Learn more at abtech.edu/human-services.



Clinical Massage also is offered through Continuing Education. Learn more at abtech.edu/CE.



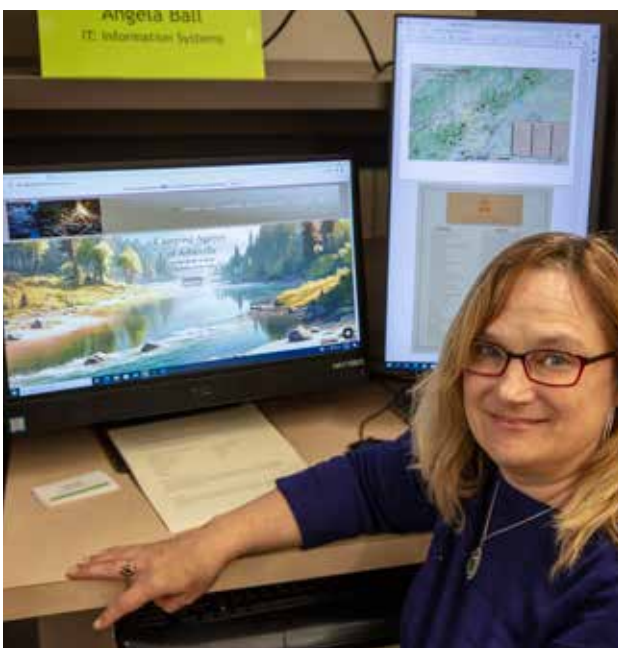
COMPUTER TECHNOLOGIES

A-B Tech's Computer Information Technology programs are designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information system needs. IT offers four focus areas: Information Systems, Network Management, Software & Web Development, and Systems Security. Learn more at abtech.edu/CIT.

Degrees and Certificates:

NEW!

- **Artificial Intelligence (AAS)**
- Artificial Intelligence Certificate
- **Information Systems (AAS)**
- Computer Fundamentals Certificate
- GIS Fundamentals Certificate
- PC Installation and Maintenance Fundamentals Certificate
- **Network Management (AAS)**
- Network Systems Administration Certificate
- CCNA Preparation Certificate
- **Software and Web Development (AAS)**
- Database Management Certificate
- Front-End Developer Certificate
- Back-End Developer Certificate
- Software and Programming Fundamentals Certificate
- **Systems Security (AAS)**
- Systems Security Certificate
- Cyber Forensic Analyst Certificate



BUSINESS & MARKETING

The Business Administration curriculum is designed to introduce students to the aspects of the free enterprise system. Students will be provided with a fundamental knowledge of business functions, processes, and an understanding of business organizations in today's global economy.

Degrees and Certificates:

- Business Administration: General Business Administration AAS
- Business Administration: Marketing and Retailing AAS
- Business Administration Diploma
- Retail Marketing Certificate
- *Medical Office Administration AAS
- *Medical Office Administration Diploma
- *Medical Coding Certificate
- *Office Administration: General Office AAS
- *Office Administration: Finance AAS
- *Office Management Certificate
- *Word Processing/Desktop Publishing Certificate
- *Office Administration Diploma

*These programs may be completed 100% online.



EMERGENCY SERVICES

Emergency Services offers training in both curriculum and continuing education. It offers a variety of academic credentials, including associate degrees, certificates, and diplomas. Many curriculum courses are designed to meet licensure/certification requirements necessary for police, fire and emergency medical jobs.

In addition to classroom and laboratory instruction, each program provides experiential learning through field/clinical experiences. These field/clinical experiences occur at emergency services sites in the community, including medical, law enforcement, and fire and rescue settings.

A-B Tech Woodfin

The Emergency Services division is located in a 41,000-square-foot building at the county Public Safety Training Campus in Woodfin. It includes classroom space as well as six specialty emergency sciences labs: Airway Lab, Cardiac Lab, Adult Sim Lab, Pediatric Sim Lab, IV Lab and Pharmaceutical Lab.

The building also features a “crime scene apartment” that can be used to replicate real-life scenarios, a driving track, burn buildings and other structures for hands-on emergency training and Tiny Town, a 1:87 scale replica of a community used to train emergency services agencies and support personnel (hospitals, health care facilities, public works departments, schools, etc.) in managing large-scale emergency incidents or disasters.



Basic Law Enforcement

Basic Law Enforcement Training (BLET) is designed to give students essential skills required for entry-level employment as law enforcement officers with state, county, or municipal governments, or with private enterprise. This program utilizes State commission-mandated topics and methods of instruction. General subjects include, but are not limited to, criminal, juvenile, civil, traffic, and alcoholic beverage laws; investigative, patrol, custody, and court procedures; emergency responses; and ethics and community relations. Students must successfully complete and pass all units of study which include the certification examination by the North Carolina Criminal Justice Education and Training Standards Commission and the North Carolina Sheriffs' Education and Training Standards Commission to receive a certificate.

Criminal Justice Technology

This curriculum is designed to provide practical knowledge of criminal justice systems and operations. The study will focus on local, state, and federal law enforcement, judicial processes, corrections, and security services. The criminal justice system's role within society will be explored. Emphasis is on criminal justice systems, criminology, juvenile justice, criminal and constitutional law,

investigative principles, ethics, and community relations. Additional studies may include issues and concepts of government, counseling, communications, computers, and technology.

Emergency Medical Science

The Emergency Medical Science curriculum provides individuals with the knowledge, skills, and attributes to provide advanced emergency medical care as a paramedic for critical and emergent patients who access the emergency medical system and prepares graduates to enter the workforce.

Students will gain complex knowledge, competency, and experience while employing evidence-based practice under medical oversight, and serve as a link from the scene into the healthcare system. Graduates of this program may be eligible to take state and/or national certification examinations.

Fire Academy

A-B Tech offers a Firefighter Academy that will take students from no experience to a certified Firefighter in less than a year. No prior experience is necessary, and most students qualify for free classes.

Continuing Education

The Emergency Services Division also provides a wide variety of emergency medical science, fire services, and law enforcement training and certifications.

Learn more at abtech.edu/emergency-services.

A-B Tech Woodfin is NC's most comprehensive training facility.



ENGINEERING & APPLIED TECHNOLOGIES

A-B Tech offers a wide variety of programs in engineering, construction, machining, and other skilled trades that prepare students for jobs with area employers. In addition to two-year AAS degrees, most programs also offer shorter-term diplomas and certificates and are available during the day and evening for convenience.

Students are provided with a mix of theory and hands-on applications in modern, well-equipped labs and shops. Emphasis is placed on student proficiency with procedures, equipment, and instruments related to the specific program area. Relevant general education courses also are part of the curriculum.



Associate in Engineering

This degree is a college transfer program designed to provide the required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs.

Air Conditioning, Heating, & Refrigeration

The Air Conditioning, Heating and Refrigeration Technology (HVAC) degree program provides the basic knowledge to develop skills necessary to work with residential and light commercial systems and cooling theory, electricity, controls and safety. The A.A.S. degree covers residential building codes, system sizing and advanced comfort systems.

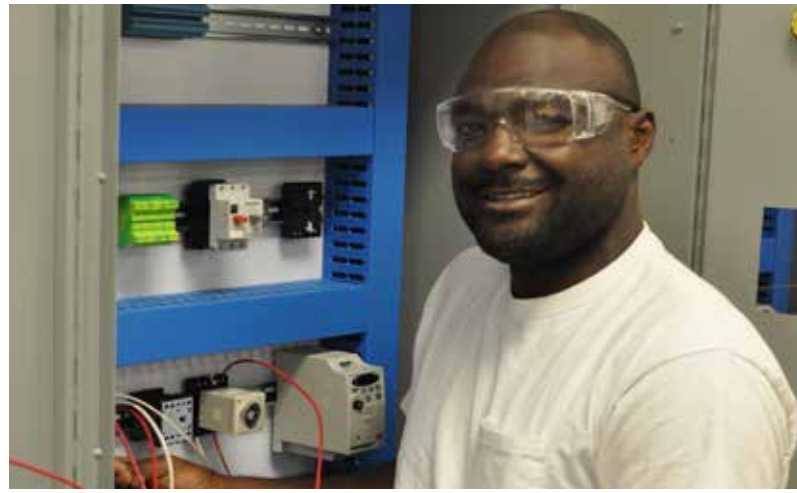
NEW!

Biomedical Equipment Technology

A course of study that prepares the students to use basic engineering principles and technical skills to install, operate, troubleshoot, and repair sophisticated devices and instrumentation used in the health care delivery system. Students learn instrument calibration, design and installation testing, system safety and maintenance procedures, procurement and installation procedures, and report preparation.

Computer Engineering Technology

A course of study that prepares the students to use basic engineering principles and technical skills for installing, servicing, and maintaining computers, peripherals, networks, and microprocessor and computer controlled equipment. Includes instruction in mathematics, computer electronics and programming, prototype



development and testing, systems installation and testing, solid state and microminiature circuitry, peripheral equipment, and report preparation.

Computer-Aided Drafting Technology

CAD Technicians use CAD systems to create design plans for building and machinery working in 3-D and 2-D design. They may also link CAD documents to other applications such as a database, GIS maps, spreadsheets and word processing.

Construction Management Technology

The Construction Management Technology program prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.

Construction Degrees and Certificates:

- Construction Management Technology AAS
- Building Construction Science Diploma
- Basic Construction & Millwork Certificate
- Construction Management Certificate
- Green Building & Sustainable Construction Certificate
- Residential Design Certificate
- Sustainability Certificate
- Sustainable Agriculture Construction Certificate



ENGINEERING & APPLIED TECHNOLOGIES

Computer-Integrated Machining

The Computer-Integrated Machining curriculum is designed to develop skills in the theory and safe use of hand tools, power machinery, computerized equipment and sophisticated precision inspection instruments.

Electrical Systems Technology

This curriculum is designed to train technicians for jobs in industry requiring knowledge of electrical and electro-mechanical systems installation, repair, and maintenance. Courses are designed to develop technicians competent in the practical applications of electrical/electronic theory and procedures for industrial machines and controls. Students learn electrical code requirements, to read blueprints and schematics, to determine repair procedures, and to make necessary repairs and/or adjustments.



Electronics Engineering Technology

The Electronics Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communication systems, and power electronic systems.

Mechanical Engineering Technology

The Mechanical Engineering Technology curriculum prepares graduates for employment as technicians in the diversified mechanical and manufacturing engineering fields. Mechanical Engineering technicians assist in design, development, testing, process design and improvement, and troubleshooting and repair of engineered systems. Emphasis is placed on the integration of theory and hands-on application of engineering principles.



Mechatronics Engineering Technology

Mechatronics Engineering Technology prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures.

Welding Technology

The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metal industry. Instruction includes consumable and non-consumable electrode welding and cutting processes.



TRANSPORTATION



Aviation Management and Career Pilot Technology



The Aviation Management and Career Pilot Technology curriculum prepares individuals for a variety of aviation and aviation-related careers.

Become a pilot or aviation manager with commercial airlines, general aviation, the aerospace industry, the military and state and federal aviation organizations.

Learn the fundamentals of flight, aerodynamics, aircraft performance, meteorology, navigation, federal regulations, aviation management, and instrument and commercial ground training. Optional course work includes flight and

simulator training or business management training.

Over the next 10 years, a significant pilot shortage of approximately 36,000 pilot jobs in the U.S. and more than 250,000 worldwide will provide a lucrative market for new graduates to find full-time work as pilots.

Graduates will receive a commercial pilot certificate with an instrument rating or specialize in aviation management. They are qualified for employment as commercial, corporate, and military pilots, fixed base operators and airport managers, flight instructors, and flight dispatchers.

Learn more at abtech.edu/aviation.



Automotive and Diesel and Heavy Equipment Technology

Automotive Systems and Diesel and Heavy Equipment programs are offered to provide the technical knowledge and skills to repair, service and maintain either passenger vehicles or heavy-duty trucks and buses.

Truck Driver Training

In partnership with Trans-Tech, A-B Tech also offers both CDL-A and CDL-B Truck Driver Training.

- CDL-A: For students that want to drive tractor-trailers or semi-trailers. The five-week full-time program includes three weeks of practical training, Monday through Thursday, 7 a.m. to 5:30 p.m. Alternatively, a 10-week weekend program is also available.
- CDL-B: For students that want to drive smaller commercial vehicles such as dump trucks or passenger buses (not school buses). The three-week program includes seven days of practical training from 7 a.m. to 5:30 p.m., Monday through Thursday.

Both programs are a hybrid of online and in-person training and feature small class sizes along with job seeking assistance. Tuition assistance may be available.



For more information, visit abtech.edu/truck.

DEGREE PROGRAMS

UNIVERSITY TRANSFER

Associate Transfer Degrees

- Associate in Arts
- Associate in Arts in Teacher Preparation
- Associate in Engineering
- Associate in Fine Arts in Visual Arts
- Associate in General Education
- Associate in Science
- Associate in Science in Teacher Preparation

A.A.S. Degrees

- General Occupational Technology

Diplomas

- General Occupational Technology

Certificates

- General Occupational Technology

Associate in Arts:

- Accelerated AA
- Business, Accounting, and Finance
- Communication
- Construction Management
- Creative Arts
- Criminal Justice
- English
- Foreign Language
- General
- History
- Information Systems
- Nutrition
- Philosophy
- Political Science
- Pre-Health
- Psychology
- Social Work
- Sociology

Associate in Science:

- Architecture
- Biology
- Chemistry
- Computer Science –

- ◇ General
- Computer Science –
- ◇ Computer Systems
- ◇ Concentration
- Environmental Science
- ◇ General
- Math
- Physics
- Pre-Dental
- Pre-Engineering
- Pre-Med
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physician's Assistant
- Pre-Veterinarian

Associate in Fine Arts

- Associate in Fine Arts – Graphic Design Pathway
- Associate in Fine Arts – Studio Art Pathway
- Film
- Interior Design

Associate in Engineering

- Chemical Engineering
- Civil Engineering
- General

ACADEMIC PROGRAMS

A.A.S. Degrees

- Accounting and Finance
- Air Conditioning, Heating & Refrigeration Technology
- Automotive Systems Technology
- Aviation Management & Career Pilot Technology - Aviation
- Management
- Aviation Management & Career Pilot Technology - Career Pilot
- Biomedical Equipment Technology
- Brewing, Distillation and Fermentation
- Business Administration: General Business Administration
- Business Administration: Marketing & Retailing
- Cardiovascular Sonography
- Computer-Aided Drafting Technology

- Computer Engineering Technology
- Computer-Integrated Machining
- Construction Management Technology
- Cosmetology
- Criminal Justice Technology
- Culinary Arts
- Dental Hygiene
- Diesel and Heavy Equipment Technology
- Early Childhood Education
- Early Childhood: Licensure Transfer Track
- Early Childhood: Non-Licensure Transfer Track
- Electrical Systems Technology
- Electronics Engineering Technology
- Emergency Medical Science
- Emergency Medical Science Bridge Program
- Health and Fitness Science
- Hospitality Management
- Information Technology: Artificial Intelligence
- Information Technology: Information Systems
- Information Technology: Network Management
- Information Technology: Software and Web Development
- Information Technology: Systems Security
- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Medical Assisting
- Medical Laboratory Technology
- Medical Office Administration
- Medical Sonography
- Nursing - Associate Degree
- Nursing - RIBN
- Nursing - LPN to ADN Advanced Placement Option
- Nursing - Paramedic to ADN Advanced Placement Option
- Occupational Therapy Assistant
- Office Administration: General Office
- Office Administration: Finance
- Radiography

DIPLOMAS AND CERTIFICATES

- Social and Human Services: Addiction & Recovery Transfer Track
- Social and Human Services: Mental Health Transfer Track
- Social and Human Services: Addiction & Recovery Career Track
- Social and Human Services: Mental Health Career Track
- Surgical Technology
- Surgical Technology Bridge
- Veterinary Medical Technology
- Welding Technology

Diplomas

- Air Conditioning, Heating & Refrigeration Technology
- Automotive Systems Technology
- Biomedical Equipment Technology
- Brewing Methods and Operations
- Building Construction Science
- Computer Engineering Technology
- Computer-Integrated Machining
- Cosmetology
- Dental Assisting
- Diesel and Heavy Equipment Technology
- Distillation Methods and Operations
- Electrical Systems Technology
- Mechatronics Engineering Technology - Maintenance & Reliability
- Medical Office Administration
- Office Administration
- Nursing - Practical Nursing
- Social and Human Services
- Welding Technology

Certificates

- Accounting and Finance
- Addiction & Recovery Studies
- Advanced Electrical Wiring
- Advanced Machine Operator
- Architecture/BIM
- Automotive Systems Technology - Certificate I
- Automotive Systems Technology - Certificate II
- Aviation - Instrument Rating
- Aviation - Private Pilot
- Baking and Pastry Arts

- Basic Emergency Medical Science
- Basic Law Enforcement Training
- Basic Welding
- Biomedical Equipment Technology
- Building Instrumentation & Control
- Business Administration
- CNC Machine Programmer
- Computer Engineering Technology
- Construction & Millwork
- Construction Management Technology
- Cooling
- Cosmetology Instructor
- Culinary Studies
- Craft Beverage Lab
- Criminal Justice Technology
- Diesel and Heavy Equipment Technology
- Early Childhood
- EDM & Fixture Specialist
- Electrical Wiring
- Electronics Manufacturing
- Entrepreneurship
- Esthetics Instructor
- Esthetics Technology
- Food Truck Operations
- Green Building & Carpentry
- Heating
- Hospitality Management
- Infant/Toddler Care
- Information Technology: Artificial Intelligence
- Information Technology: Computer Fundamentals
- Information Technology: GIS Fundamentals
- Information Technology: PC Installation & Maintenance
- Information Technology: Network Systems Administration
- Information Technology: CCNA Preparation
- Information Technology: Database Management
- Information Technology: Front-End Developer
- Information Technology: Back-End Developer
- Information Technology: Software Programming Fundamentals
- Information Technology: Cyber

- Forensics Analyst
- Information Technology: Systems Security
- Manicuring Instructor
- Manicuring/Nail Technology
- Mechanical Engineering Technology: Automation & Robotics
- Mechatronics Engineering Technology - Basic Industrial Maintenance
- Medical Office Administration - Medical Coding
- Mental Health Studies
- Office Management
- Online Hospitality Management
- Practical Meat Cutting
- Quality & Lean Six-Sigma
- Retail Marketing
- Residential Design
- Restaurant Management
- Robotics & Multi-Axis Machining
- Robotic Welding
- Solid Modeling
- Solar Photovoltaic Energy Technology
- Sustainability
- Sustainable Agriculture and Construction
- Therapeutic Culinary
- Word Processing/Desktop Publishing

**Download Program
Sheets Here**



A-B TECH ONLINE

abtech.edu/online



As more people struggle to balance the demands of work, family and school, A-B Tech is expanding opportunities to pursue your education through A-B Tech Online. Earn a degree, diploma or certificate on a schedule that works for you.

The online programs have the same curriculum and requirements as traditional on-campus programs. All courses are taught by the college's expert faculty who have been trained to deliver quality online education. Students also have access to a variety of online support systems, including academic advising, tutoring, writing center and library. Learn more at abtech.edu/abtech-online.

Trailblazer Evening College

NEW!

As part of A-B Tech's ongoing commitment to providing adult students with flexible scheduling options, the college is launching its Trailblazer Evening College during the Fall 2024 Semester.



To explore Trailblazer Evening College programs, visit abtech.edu/evening-college.



TUITION AND

FINANCIAL AID



75% *LESS*
DEBT THAN
TRADITIONAL
COLLEGES

A-B Tech Community College Tuition

N.C. residents per semester.....**\$1,216.00**

Nonresident of N.C.....**\$4,288.00**

A-B Tech also offers many financial aid and scholarship options.

Learn more at **abtech.edu/financial-aid**.

Complete your FAFSA!

STUDENT LIFE

A-B Tech's Department of Student Life and Development provides opportunities for personal enrichment, leadership development, civic engagement, and supports co-curriculum education outside the classroom. Student Life and Development also offers events and programming for students.

Student Life Events and Resources

- Fall Festival
- Earth Day Celebration
- Veterans' Café and Events
- Intramural Sports
- Student Art Show
- Diversity Awareness Programs
- Community Partnership Programs
- Student Health Clinic
- Academic Awards Ceremonies
- Passes to the Asheville Art Museum
- Membership to the Smith-McDowell House
- New Student Orientation supplies
- Discounted Asheville Transit Passes

Clubs and Organizations

Honor Societies

- Phi Theta Kappa Alpha Upsilon Eta chapter
- National Society of Leadership and Success (NSLS)
- Multicultural Student Leadership Association (MSLA)
- Queer the Way Society
- Spanish Club
- Nuestra Voz
- Drawing Club
- Student Disability Society

See more student organizations and events at abtech.edu/student-life.







HIGH SCHOOL PROGRAMS

Career and College Promise/Dual High School Enrollment

The tuition free * Career and College Promise/ Dual Enrollment program allows high school students to jump start their higher education and career aspirations while still in high school, and it's a great way to save time and money toward your education and career goals. Why wait? Start now!

Most college credits taken through Career and College Promise:

- Count toward high school graduation requirements
- Allow students to earn AP or honors-level quality points to the high school GPA
- Transfer to the UNC System as core academic credits
- Transfer in to Associate Degrees, Diplomas, or Certificates at A-B Tech

Students must:

- Have a 2.8 unweighted GPA or higher
- Be a Junior or Senior
- Be a North Carolina Resident or attend a high school in North Carolina

Classes are:

- Tuition-free
- Offered online and in-person at A-B Tech and at some high schools

Learn more at abtech.edu/CCP.

*Students do not pay tuition, but students in the College Transfer Pathways, Career-Technical Education Pathways, and Middle College are responsible for buying college textbooks and paying any student fees that are associated with college courses. A \$48 per semester technology fee will be included. Some classes are only available online. Early College students do not pay for textbooks, but are subject to fees.

CONTINUING EDUCATION AND ECONOMIC AND WORKFORCE DEVELOPMENT

Whether you need to gain skills to advance in your current job or change careers completely, the Economic and Workforce Development/Continuing Education division supports lifelong learning through hundreds of classes and training programs.

Business owners also can benefit from consultations, assessments, and employee job trainings. We offer customized or standard curriculum training at multiple locations, as well as online courses for convenience.

Learn more at abtech.edu/CE-workforce.



SMALL BUSINESS CENTER



Looking to launch an entrepreneurial venture or grow a small business?

The Small Business Center supports entrepreneurship, small businesses, and economic development in local communities, with particular emphasis on assisting start-ups, early stage, and at-risk enterprises.

In other words, our goal is to increase the number of viable businesses across the state by providing high quality, accessible assistance to small business owners, which, in turn, leads to job creation and retention.

Learn more at abtech.edu/SBC.







ABTECH.EDU

CONNECT WITH US



Asheville-Buncombe Technical Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees. Degree-granting institutions also may offer credentials such as certificates and diplomas at approved degree levels.

Questions about the accreditation of Asheville-Buncombe Technical Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Equal Opportunity Educational Institution

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