A-B TECH TRAILBLAZERS

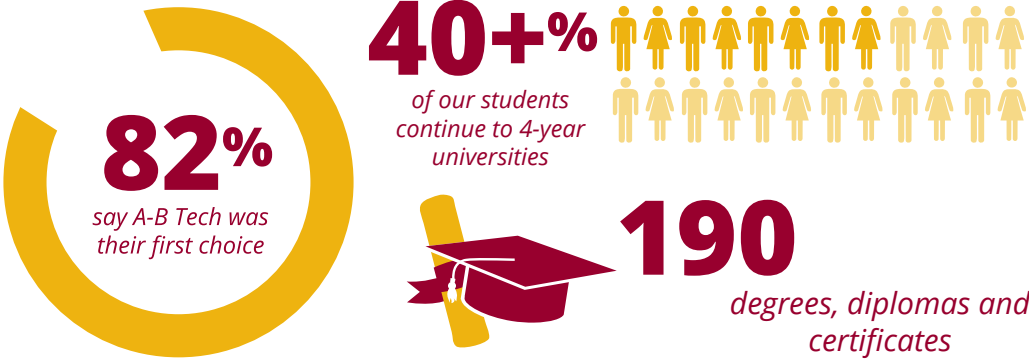# 2022-23 FIND YOUR FUTURE

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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 through our curriculum, continuing education and workforce development programs. 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 people from across the country who are drawn to Asheville's mountains and thriving community. A-B Tech also serves our community 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 Craft Beverage Institute of the Southeast are located; Goodwill in West Asheville; and, coming soon, our new location at Biltmore Park West.

More than 82% of our students say A-B Tech is their college of first choice. Ranging from high school graduates to older adults who are changing careers, our students cite their primary reasons for attending A-B Tech as:

- **Quality education that qualifies graduates for employment or admission to any four-year public college or university in North Carolina**
- **75% less debt**
- **Highly qualified, caring instructors**
- **Small class sizes**
- **190 degrees, diplomas and certificates**
- **Customized and short-term workforce education 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 have become doctors, lawyers, engineers, software designers, international master chefs, the manager of an advanced manufacturing center in Hong Kong, and an American Idol winner. You'll also find our alumni in virtually any business in our region: they are the healthcare workers, accountants, engineers, veterinary techs, IT professionals, advanced manufacturing workers, chefs, hotel managers, paramedics, police officers, firefighters, and more.

82%
say A-B Tech was their first choice

40+%
of our students continue to 4-year universities

190
degrees, diplomas and certificates

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
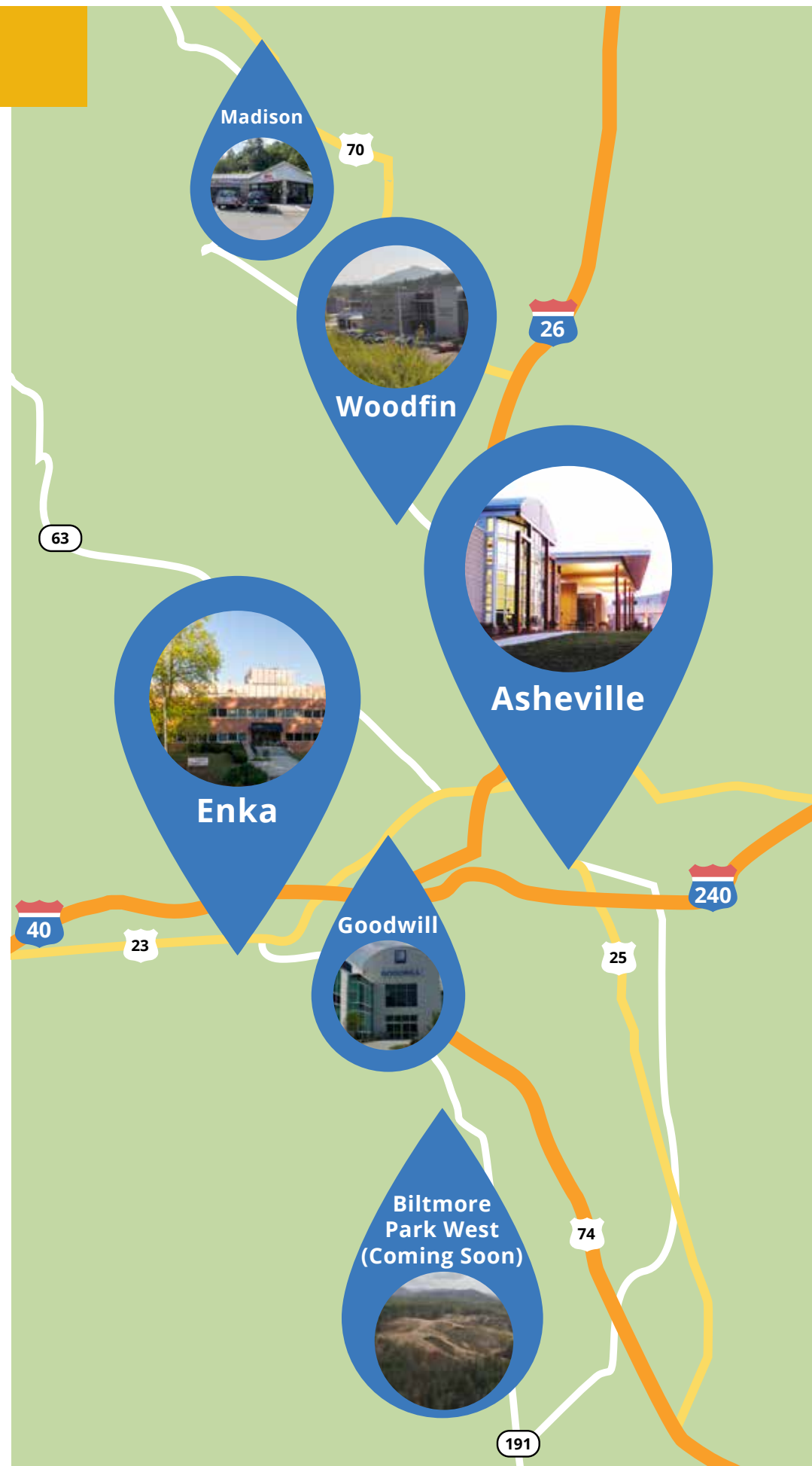828-398-7700
abtech.edu/madison

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

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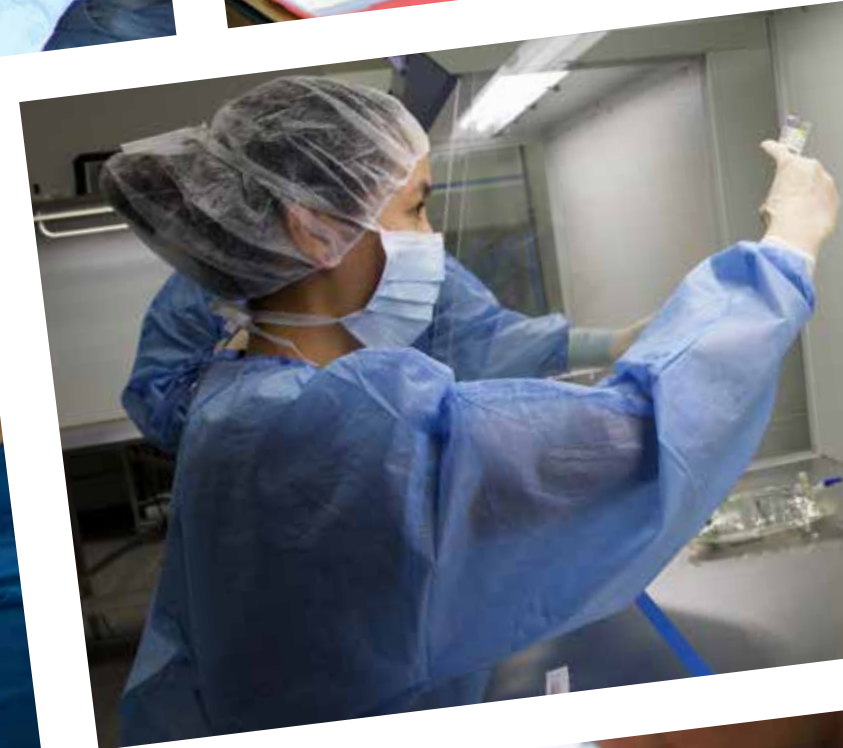Asheville, NC 28806
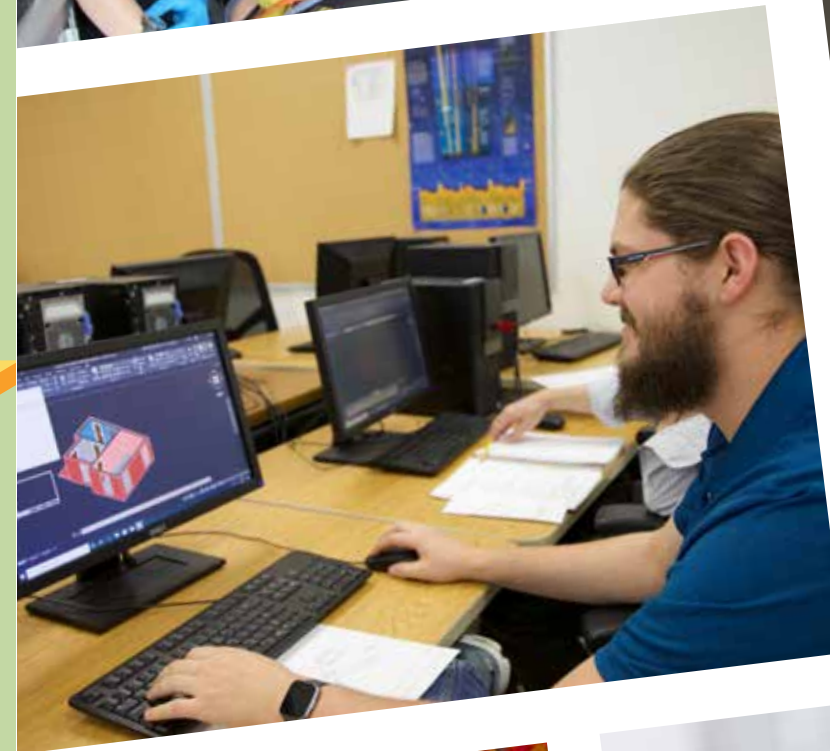828-298-9023
abtech.edu/goodwill

A-B Tech at Biltmore Park West
(coming soon)

Madison

70

26

Woodfin

63

Enka

Asheville

40

23

240

25

Goodwill

Biltmore
Park West
(Coming Soon)

74

191

ACADEMIC PROGRAMS
abtech.edu/programs

ALLIED HEALTH

As the college's oldest division, Allied Health offers many programs designed to meet the demand for specialized professionals in the burgeoning health care industry.

The programs present a broad range of career options from laboratory work to direct patient interaction in doctors' offices, hospitals and other health care facilities.

The division is located in the state-of-the-art Ferguson Center for Allied Health and Workforce Development Building.

In addition to classroom and laboratory instruction, each program emphasizes learning experiences at healthcare settings in the community. This extensive clinical, pre-hospital or laboratory training gives students a unique opportunity to develop the specialized skills required for employment in a health profession.

AVAILABLE PROGRAMS
Cardiovascular Sonography • Dental Assisting • Dental Hygiene
Medical Assisting • Medical Laboratory Technology
Medical Sonography • Nursing: Associate Degree Nursing,
Nursing RIBN Program • Occupational Therapy Assistant
Phlebotomy • Radiography • Surgical Technology
Veterinary Medical Technology

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.

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.

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.

Nursing:

Associate Degree Nursing

The Associate Degree Nursing option is a five-semester program. Completion qualifies graduates to take the licensure exam required for practice as an RN.

Nursing RIBN Programs

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

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.

Phlebotomy

Phlebotomists collect blood and other specimens from patients used for diagnostic testing. This is a certificate-level course that places emphasis on ethics, legalities, medical terminology, safety, patient relations, anatomy and physiology and specimen collection.

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.

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

Veterinary Technologists assist veterinarians in preparing animals, equipment and medications for examination and surgery. They also collect specimens, perform laboratory procedures and assist in surgery.

Continuing Education
Health Occupation Programs

A-B Tech's Continuing Education division offers short-term training through the following healthcare programs:

- CNA: Nurse Aide Level I and II
- Clinical Massage
- Ophthalmic Assisting
- Dental Radiology

For more information on Continuing Education Programs, visit abtech.edu/ce or call 828.398.7903.

ALLIED HEALTH IS THE
OLDEST
DIVISION AT A-B TECH

ARTS AND SCIENCES:
abtech.edu/programs

UNIVERSITY TRANSFER PROGRAMS:
abtech.edu/transfer

As A-B Tech's largest division, Arts and Sciences provides students with a knowledge base of historical, societal and environmental contexts for succeeding in the changing global community.

Approximately half of Arts and Sciences students enroll to save money by earning the first two years of a bachelor's degree at A-B Tech. As part of the Comprehensive Articulation Agreement with the University of North Carolina Systems, our degrees are designed to better serve students by reducing the number of hours required by a four-year university, ensuring transfer of courses to UNC institutions and providing clear pathways to graduation.

AVAILABLE PROGRAMS

- Associate in Arts
- Associate in Science
- Associate in Fine Arts in Visual Arts
- 100% Online Associate in Arts
- 100% Online Accelerated Associate in Arts
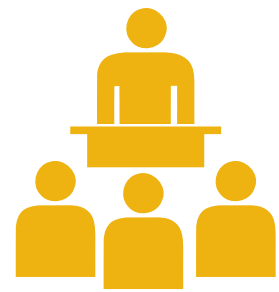
AVERAGE CLASS SIZE IS

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 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
NEW! Construction Management
Creative Arts
Criminal Justice
English
Foreign Language
General
Health & Wellness
History
Information Systems
Music
Philosophy
Political Science
Pre-Health
Psychology
Social Work
Sociology

(College Transfer Pathways continued)

Associate of Science (AS)
NEW! Architecture
Biology
Chemistry
Computer Science – General
Computer Science – Comp. Systems Conc.
Environmental Science
General
Mathematics
Physics
Pre-Dental
Pre-Engineering
Pre-Medical
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

For 100% online options, see **abtech.edu/abtech-online.**

BUSINESS AND HOSPITALITY

The Business and Hospitality Education Division provides technical postsecondary education in the academic departments of Aviation, Brewing, Distillation and Fermentation, Business Administration, Computer Technologies, Cosmetology, Spa Therapies and Operations, Culinary, Baking and Hospitality Arts, Medical Office Administration and Office Administration.

Programs of study are specifically designed to provide students with necessary job skills to meet the personnel needs of local employers. All programs emphasize the mastery of analytical and technology-related skills. Business and Hospitality faculty work in partnership with local employers and program advisory committees to provide students with an appropriate foundation of theoretical and hands-on experiences. Day and evening classes are available for most programs. The Business and Hospitality Education Division is an associate member of the National Alliance of Business, the International Council of Hotel, Restaurant and Institutional Education and the National Restaurant Association.
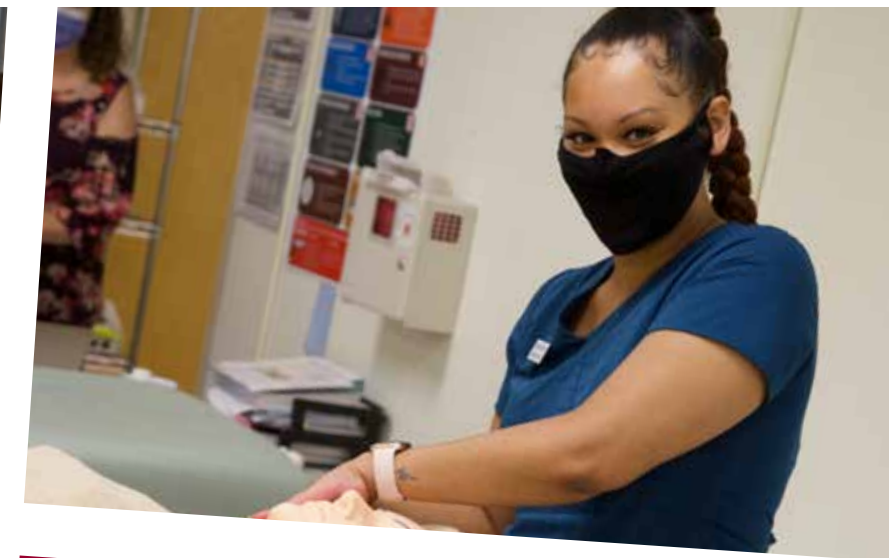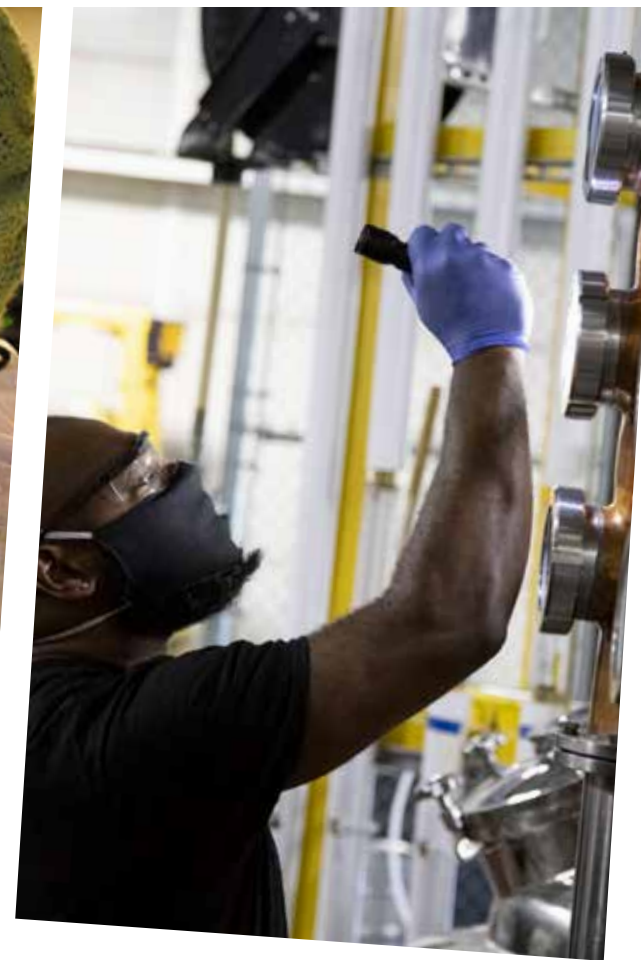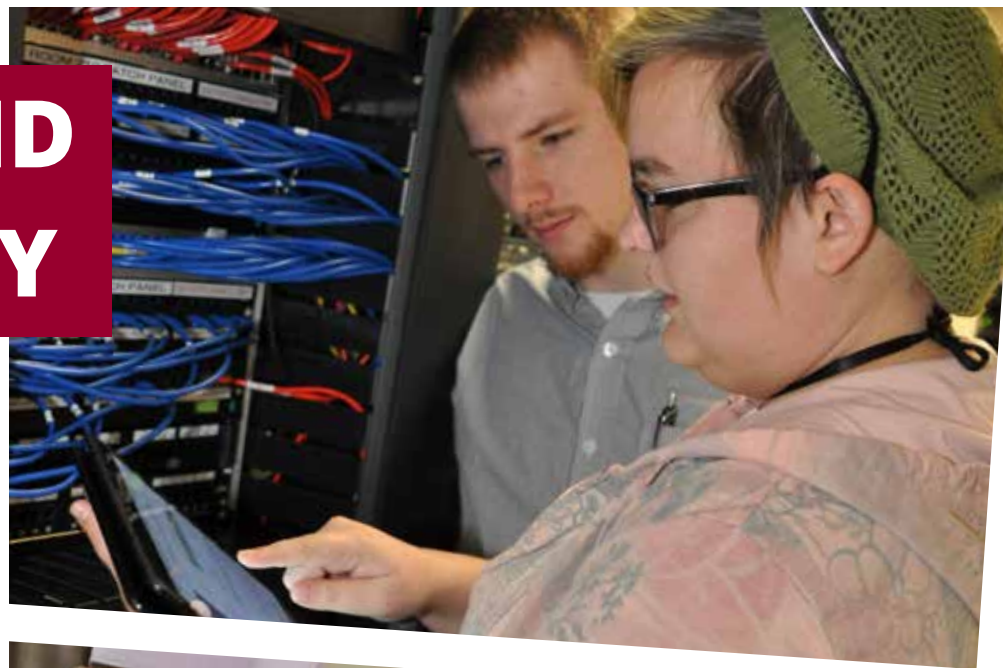
AVAILABLE PROGRAMS

Aviation Management • Career Pilot

Brewing, Distillation and Fermentation

Culinary Arts • Baking & Pastry Arts
Hospitality Management

Cosmetology
Manicuring/Nail Technology
Esthetics Technology

Digital Media Technology
Information Technology: Information Systems:
Operating Systems Pathway, Web Pathway
GIS Pathway, Programming Pathway
Network Management Pathway
Software and Web Development:
Python Programming Pathway,
Java Programming Pathway

Accounting & Finance • Business Administration
Marketing & Retailing
Medical Coding • Medical Office
Administration • Office Administration
Office Administration - Finance

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.

Certificates:

· Therapeutic Culinary Certificate
• **NEW** - Practical Meat-Cutting Certificate

Baking and Pastry Arts

Baking and Pastry Arts provides students with practical hands-on training in the areas of artisan and specialty breads, petit fours, classical and European pastries, tortes and special occasion cakes, chocolate artistry, plated desserts, confections and show pieces.

Graduates are prepared for employment in restaurants, bakeries, hotels, resorts, catering businesses and wholesale or retail markets. With experience, graduates may advance to pastry chefs. American Culinary Federation certification is available to graduates.

Craft Beverage Institute of the Southeast®

The Brewing, Distillation and Fermentation Associate of Applied Science Degree is designed to provide students with a sound understanding of the science, technology, business and art essential for successful employment in the craft beverage industry. The two-year program offers a co-op experiences to bolster field readiness.

The degree emphasizes introductory and advanced production processes, finishing and packaging techniques, brewing/distillation operations and product analysis. Coursework includes product distribution and marketing/sales, beverage tourism and tasting room management, sensory evaluation, beverage management and sustainable technologies.

Located at A-B Tech Enka, the Craft Beverage Institute also offers:
· Brewing Methods and Operations Diploma
· Distillation Methods and Operations Diploma
· The Craft Beverage Lab Certificate
· Continuing Education and Workforce Development (CE/WFD)

Learn more at **abtech.edu/CBI.**

Consuming the Craft Podcast
Download from your favorite podcast app!

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

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 majors receive practical experience that prepares them for future careers.

- In the Magnolia and Fernihurst buildings industrial kitchens and dining rooms, students practice the preparation of foods and a variety of service levels.
- Mountain Tech Lodge, operated and maintained by students, provides practical experience under the direction of college faculty.

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.

Spa THERAPIES & OPERATIONS
at A-B Tech Community College

Programs of the Spa Therapies and Operations Department include: Cosmetology, Esthetics Technology, Manicuring/Nail Technology and Cosmetology Instructor.

Computer Technologies

Computer Technologies degrees are for students who want to learn in-depth skills through hands-on training. Programs include Digital Media Technology; Information Technology: Information Systems: Operating Systems Pathway, Web Pathway, GIS Pathway, Programming Pathway; Network Management; Software and Web Development: Python Programming Pathway, Java Programming Pathway; and Cyber Forensics.

The hands-on computer training you receive at A-B Tech Community College will provide you with the skills and knowledge to succeed in this very exciting and fast-growing field while earning a Degree or Certificate.

NEW! The Cyber Forensic Analyst Certificate is a new certificate designed to teach students the latest computer tools used by law enforcement agents and other cyber forensic professionals that facilitate electronic data extraction for legal purposes.

Business and 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. Programs include Accounting, Business Administration, Marketing & Retailing, Medical Coding*, Medical Office Administration, Office Administration, Office Administration - Finance.

*__100% Online Option__ is now available for Medical Coding.
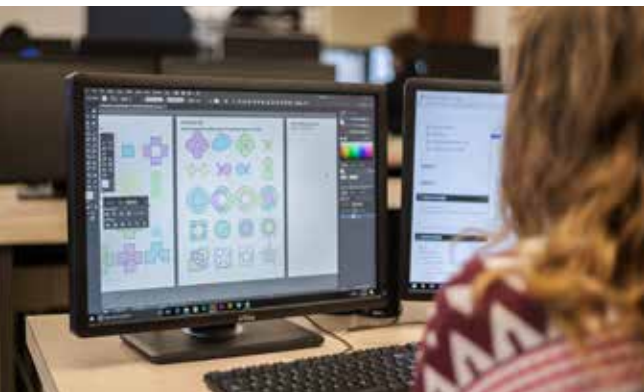
Aviation Management and Career Pilot Technology

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**

EMERGENCY SERVICES

The Division of Emergency Services offers training in both curriculum and continuing education. It offers a variety of academic credentials, including associate degrees, certificates, and diplomas. Many of the division's 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, heath care facilities, public works departments, schools, etc.) in managing large-scale emergency incidents or disasters.

AVAILABLE PROGRAMS

Basic Law Enforcement • Criminal Justice Technology

Emergency Medical Science

Public Safety Administration

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.

Public Safety Administration

We offer a degree in Public Safety Management with new pathways available in Corrections, Emergency & Fire Management and Law Enforcement. We also have certificates in Corrections Management, EMS Management, Fire Management, Fire Safety, Law Enforcement Management, and Public Safety Management.

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 AND APPLIED TECHNOLOGY

The Engineering and Applied Technology division offers an Associate in Engineering transfer degree and a variety of Associate in Applied Science degree programs in engineering technologies and applied technologies. Most programs are available on a day and evening basis and are tailored for advanced manufacturing and engineering jobs with area employers.

Students enrolled in this division are provided an appropriate mix of theory and hands-on applications. Students in the diploma programs spend much of their time working under industrial shop conditions. Modern facilities include well-equipped laboratories and shops. Emphasis is placed on student proficiency in the use of procedures, equipment, and instruments related to the specific program area. Appropriate related and general education courses support these applied programs.

AVAILABLE PROGRAMS

Associate in Engineering • Air Conditioning, Heating & Refrigeration Tech
Automotive Systems Tech • Computer-Aided Drafting Tech
Computer Engineering Tech • Computer-Integrated Machining
Construction Management Tech • Diesel and Heavy Equipment Tech
Electrical Systems Tech • Electronics Engineering Tech
Geomatics Tech • Mechanical Engineering Tech
Mechatronics Engineering Tech • Sustainability Tech • Welding Tech
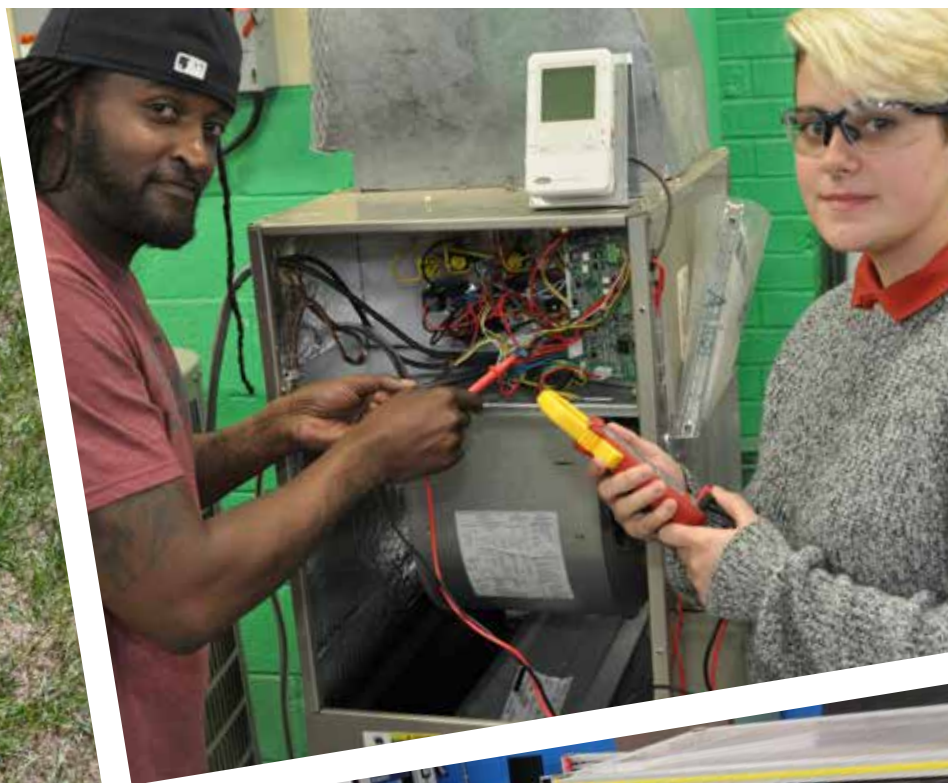
Associate in Engineering

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.

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.

Computer Engineering Technology

Course work includes mathematics, physics, electronics, digital circuits, and programming, with emphasis on the operation, use, and interfacing of memory and devices to the CPU. Additional topics may include communications, networks, operating systems, programming languages, internet configuration and design, and industrial applications.

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.

Construction Management Technology Sustainability Technologies

Construction Science is Asheville's own green building school. Choose our training programs in carpentry, construction management or cabinetry, or all of the above, and receive a comprehensive education in all aspects of the building trade, with a focus on green and sustainable techniques and innovations. Put these techniques into practice every semester with our student Projects in Sustainability, which can include solar installation, earthen/cob building, and the latest energy efficient framing and insulating materials and methods.

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.

Geomatics

This program trains students to build communities. Civil Engineer Technicians design safe and sustainable buildings, ensure clean rivers and streams, develop mass transit alternatives and ensure safe roads. Geomatics graduates are typically employed as surveying technicians mapping land.

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.

Transportation 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.

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.

ACADEMIC SUCCESS AND PUBLIC SERVICE

Early Childhood and Education

Formerly the Early Childhood Education Department, we have 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 our 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.

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 will be 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.
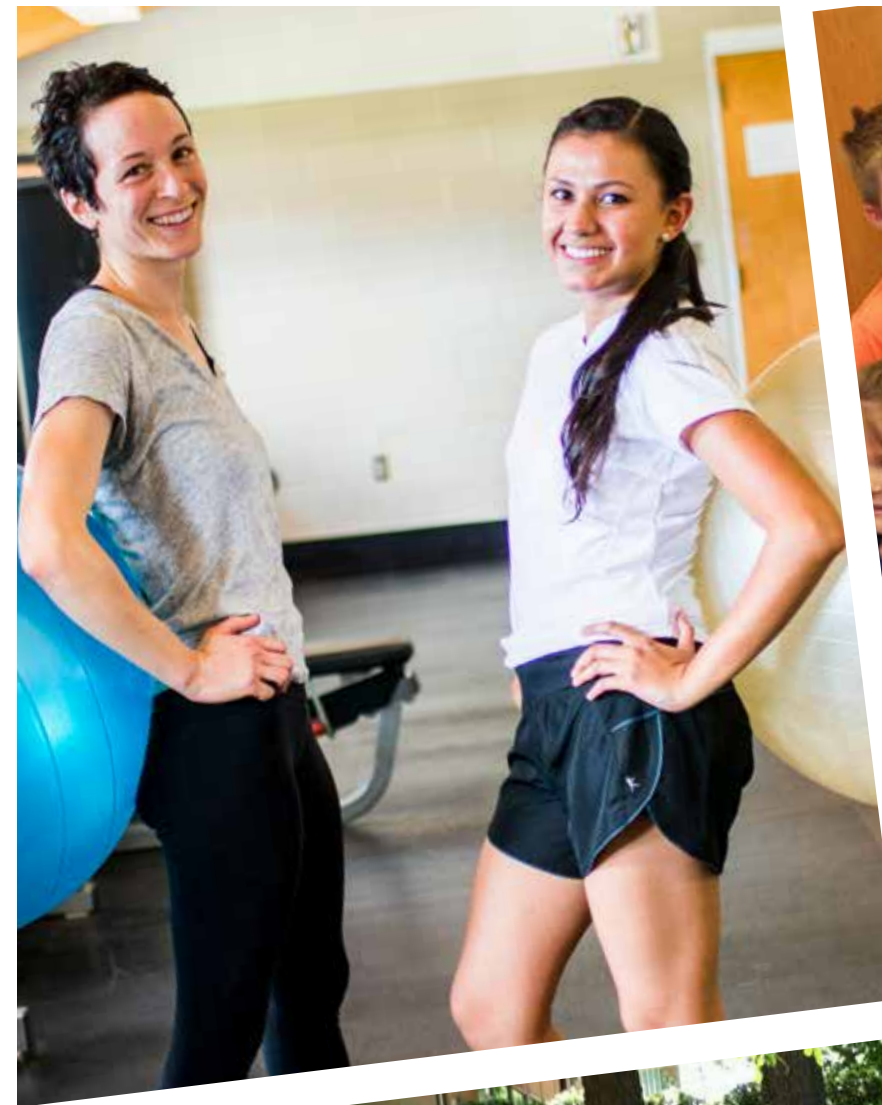
Human Services Technology*

This curriculum prepares students for entry-level positions in institutions and agencies that provide social, community, and educational services. Along with core courses, students take courses that prepare them for specialization in specific human service areas. Graduates should qualify for positions in mental health, child care, family services, social services, rehabilitation, correction, and educational agencies. This program is located on the main campus.

*100% Online Option is now available for Human Services Technology.

AVAILABLE PROGRAMS
Early Childhood Education • Health & Fitness Science Human Services Technology • Teacher Preparation

ACADEMIC SUCCESS AND PUBLIC SERVICE

A.A.S. Degrees
- Early Childhood Education
- Health and Fitness Science
- Human Services Technology

Transfer Degrees
- Associate in Arts in Teacher Preparation (AATP)
- Associate in Science in Teacher Preparation (ASTP)
- Early Childhood: Licensure Transfer Track
- Early Childhood: Non-Licensure Transfer Track

Certificates
- Early Childhood
- Substance Abuse Studies
- Infant/Toddler Care

ALLIED HEALTH
- Associate Degree Nursing
- Cardiovascular Sonography
- Dental Hygiene
- Medical Assisting
- Medical Laboratory Technology
- Medical Sonography
- Nursing
  - Associate Degree Nursing
  - RIBN
- Occupational Therapy Assistant
- Radiography
- Surgical Technology
- Surgical Technology Bridge
- Veterinary Medical Technology
- Phlebotomy Certificate

Diplomas
- Dental Assisting

Certificates
- Phlebotomy

ARTS AND SCIENCES

Associate Transfer Degrees
- Associate in Arts
- Associate in Fine Arts in Visual Arts
- Associate in General Education
- Associate in Science

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
- Health & Wellness
- History
- Information Systems
- Music
- 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
- Mathematics
- Physics
- Pre-Dental
- Pre-Engineering
- Pre-Medical
- 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

BUSINESS AND HOSPITALITY
- Accounting and Finance
- Aviation Management & Career Pilot Technology- Aviation Management
- Aviation Management & Career Pilot Technology- Career Pilot
- Baking and Pastry Arts
- Brewing, Distillation and Fermentation
- Business Administration: General Business Administration
- Business Administration: Marketing & Retailing
- Cosmetology
- Culinary Arts
- Digital Media Technology
- Hospitality Management
- Information Technology: Information Systems:
  - Operating Systems Pathway
  - Web Pathway
  - GIS Pathway
  - Programming Pathway
- Information Technology: Network Management
- Information Technology: Software and Web Development:
  - Python Programming Pathway
  - Java Programming Pathway
- Information Technology: Systems Security
- Medical Office Administration
- Office Administration: General Office
- Office Administration: Finance

Diplomas
- Brewing Methods and Operations
- Business Administration
- Cosmetology
- Digital Media
- Distillation Methods and Operations
- Medical Office Administration
- Office Administration

Certificates
- Accounting
- Aviation - Instrument Rating
- Aviation - Private Pilot
- Baking and Pastry Arts
- Cosmetology Instructor
- Culinary Studies
- Craft Beverage Lab
- Digital Media Technology Digital Video
- Digital Media Technology Design Level I
- Digital Media Technology Design Level II

Certificates continued
- Esthetics Technology
- Hospitality Management
- Information Technology: Computer Fundamentals
- Information Technology: GIS Fundamentals
- Information Technology: PC Installation and 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 Forensic Analyst
- Information Technology: Systems Security
- Manicuring/Nail Technology
- Medical Coding
- Office Management
- Practical Meat Cutting
- Restaurant Management
- Retail Marketing
- Therapeutic Culinary
- Word Processing/Desktop Publishing

EMERGENCY SERVICES
- Criminal Justice Technology
- Emergency Medical Science
- Emergency Medical Science Bridge
- Public Safety Administration
  - Corrections Pathway
  - Emergency Management Pathway
  - Law Enforcement Pathway

Certificates
- Basic Law Enforcement Training
- Basic Emergency Medical Science
- Criminal Justice Technology
- Public Safety Administration: Corrections Management
- Public Safety Administration: EMS Management
- Public Safety Administration: Fire Service Management
- Public Safety Administration: Law Enforcement Management
- Public Safety Administration: Public Safety Management

ENGINEERING AND APPLIED TECHNOLOGIES

Associate Transfer Degree
- Associate in Engineering

A.A.S. Degrees
- Air Conditioning, Heating & Refrigeration Technology
- Automotive Systems Technology
- Computer-Aided Drafting Technology
- Computer Engineering Technology
- Computer-Integrated Machining
- Construction Management Technology
- Diesel and Heavy Equipment Technology
- Electrical Systems Technology
- Electronics Engineering Technology
- Geomatics Technology
- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Sustainability Technologies
- Welding Technology

Diplomas
- Air Conditioning, Heating & Refrigeration Technology
- Automotive Systems Technology
- Building Construction Science
- Computer-Integrated Machining
- Diesel and Heavy Equipment Technology
- Electrical Systems Technology
- Mechatronics Engineering Tech: Maintenance & Reliability
- Welding Technology

Certificates
- Brewing Methods
- Advanced Machine Operator
- Air Conditioning and Heating - Cooling
- Air Conditioning and Heating - Heating
- Automotive Systems Technology - Certificate I
- Automotive Systems Technology - Certificate II
- Architectural Drafting
- Basic Construction & Millwork
- Building Instrumentation & Control
- Computer-Aided Drafting Technology
- Computer-Integrated Machining and CNC Programming
- Construction Management Technology
- Diesel and Heavy Equipment Technology
- Electrical Wiring
- Electronics Manufacturing
- Geomatics Technology Land Surveying Fundamentals
- Mechanical Engineering Technology: Automation & Robotics
- Mechatronics Engineering Tech: Basic Industrial Maintenance
- Solor Phototvoltaic
- Welding Technology - Basic Welding I

Download Program Sheets Here

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.

A-B Tech Online Programs

Associate in Arts Transfer Pathways
· Accelerated
· Business & Accounting
· General
· History
· Philosophy
· Psychology
· Sociology
· Social Work

Online AAS Degrees
· Business Administration
· Human Services Technology
· Medical Office Administration
· Office Administration Finance
· Office Administration General

Diplomas
· Business Administration
· Medical Office Administration
· Office Administration

Certificates
· Back End Developer Certificate
· Digital Media: Design Level I Certificate
· Front End Developer Certificate
· GIS Fundamentals
· Human Services & Substance Abuse Studies
· Medical Coding
· Office Management
· Word Processing & Desktop Publishing

A-B Tech Community College Tuition Costs

IN-STATE Dependent Students living at home LTH*

* LTH stands for less than half-time

Tuition	1,938.00	1,938.00

IN-STATE Independent Students not living at home LTH*

* LTH stands for less than half-time

Tuition	1,938.00	1,938.00

OUT-OF-STATE Dependent Students living at home LTH*

* LTH stands for less than half-time

Tuition	7,301.00	7,301.00

OUT-OF-STATE Independent Students living at home LTH*

* LTH stands for less than half-time

Tuition	7,301.00	7,301.00

A-B Tech also offers many financial aid and scholarship options. Learn more at **abtech.edu.**

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

General Interest Clubs and Societies
- Act Now to Stop War and End Racism (ANSWER) Coalition
- Biltmore Church at A-B Tech (BBC@ABT)
- Multicultural Student Leadership Association

A-B TECH
TRAILBLAZERS

FIRST STOP
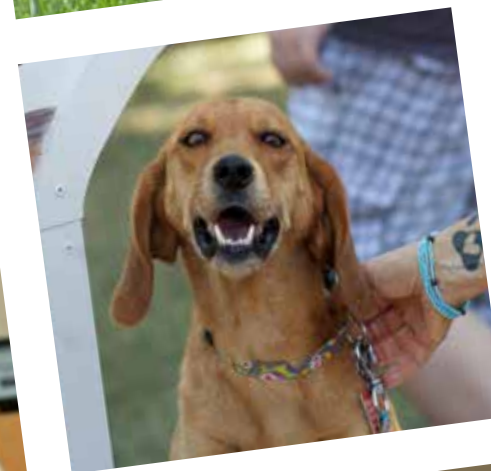
HIGH SCHOOL PROGRAMS

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 fee
- Face-to-face at the college or at some high schools or online

NEW! Agribusiness (A-B Tech Madison only)

Learn more at **abtech.edu/CCP**.

ECONOMIC AND WORKFORCE DEVELOPMENT CONTINUING EDUCATION

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 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/programs**.

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