



ABOUT US

Academy based... students choose one of the three academies: Advanced Technologies, Engineering, or Health Sciences

Students apply for acceptance during their 8th grade year

Tuition and textbooks are free to students

4 year program

Bus transportation is available

School day is 8:05am - 2:30pm

Students have access to resources and facilities of Caldwell Community College & Technical Institute

Clubs and other extra curricular activities are available to students. Students are eligible for sports at their home high schools

Graduates are prepared for careers and college/university programs

Applications are available Online:
cc.caldwellschools.com

Applications are open
December 1 through January 31 each year.



Scan this QR Code with your mobile phone to view our promotional video for parents.

Caldwell Applied Sciences Academy

2857 Hickory Boulevard, SW
Hudson, NC 28638
(828) 759-4640
cc.caldwellschools.com



Caldwell Applied Sciences Academy is located on the Caldwell Community College & Technical Institute campus.



CALDWELL APPLIED SCIENCES ACADEMY

- ◆ An innovative high school option for first-time freshmen in Caldwell County
- ◆ Students have the opportunity to earn their high school diploma and an Associates Degree from Caldwell Community College & Technical Institute in 4 years
- ◆ Focused, hands-on instruction with a rigorous curriculum
- ◆ Preparing students for careers and college

The Academy of ADVANCED TECHNOLOGIES

"Where students are encouraged to become producers of content rather than just consumers of content."

This academy prepares students for entry-level jobs in the digital design and multimedia industry. Students "learn by doing" to develop skills in communication, critical thinking, and problem solving.

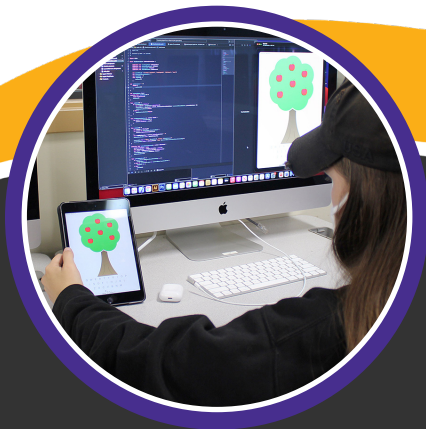
Students have the opportunity to earn the following:

- ◆ **Digital Media & Mobile Application Development** (Associate in Applied Science Degree)
- ◆ **Digital Media** (Certificate)
- ◆ **Mobile Application Development** (Certificate)

In Digital Media, students learn graphic design, animation, audio production, video production, and web design. In Mobile Application Development, students learn Apple's Swift programming language and Xcode software to develop apps for the iPad and the iPhone. Students use current and emerging standards and technologies such as Apple computers, Adobe Creative Suite, professional video and audio equipment, drawing tablets, mobile devices, and much more.

Other available program areas include:

- ◆ Networking & Cyber Security (AAS)
- ◆ Cyber Security & Networking (Certificate)
- ◆ Computer Programming & Development (AAS)
- ◆ Computer Programming (Certificate)



The Academy of ENGINEERING

The Engineering Academy prepares students for the world of Mechatronics. This type of engineering focuses on the engineering and mechanical systems and also includes a combination of robotics, electronics, computers, telecommunications, systems control, and product engineering. Students develop problem solving, collaborative teaming, creativity, and independent thinking through highly engaging hands-on learning and activities.

Students have the opportunity to earn the following:

- ◆ **Mechatronics** (Associate in Applied Science Degree)
- ◆ **Mechatronics** (Certificate)

Careers in Mechatronics include:

- ◆ Robotics Engineer / Technician
- ◆ Automation Engineer
- ◆ Control System Design Engineer
- ◆ Electronic / Mechanical Design Engineer

Other available program areas include:

- ◆ Welding Technology
- ◆ Mechanical Engineering Technology
- ◆ Electrical Systems Technology



The Academy of HEALTH AND LIFE SCIENCES

The Health Sciences Academy prepares students for health careers such as nursing, medicine, veterinarian, physical therapy, forensic science, and more. In this academy, students work collaboratively to complete experiments and solve problems to learn how the world affects the human body and other organisms. Through this process, students also learn how to think like scientists and use scientific equipment through hands-on inquiry activities.

Students have the opportunity to earn the following:

- ◆ **Associate of Science or Associate of Arts 2-year Transfer Degree**

Certificates:

- ◆ Nurse Aide I
- ◆ Medication Aide
- ◆ Emergency Management
- ◆ BioPharma
- ◆ Medical Office Assistant

College credits towards the following:

- ◆ Practical Nursing Diploma
- ◆ Medical Sonography
- ◆ Medical Assisting
- ◆ Nuclear Medicine Technology
- ◆ Radiography
- ◆ Cardiovascular Sonography
- ◆ Physical Therapy
- ◆ Speech Language Pathology Assistant

