

Alachua County Public Schools
CAREER AND TECHNICAL EDUCATION



2024-2025

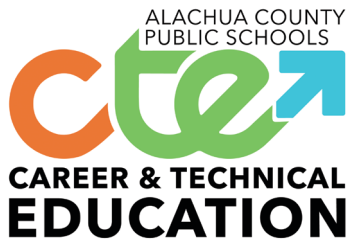
**CAREER & TECHNICAL
EDUCATION DEPARTMENT**

 3000 East University Avenue
Gainesville, FL 32641

 352-955-6847

A promotional graphic for the Career & Technical Education Department. It features a dark green background with four thought bubbles. Each bubble contains a woman in a different professional or technical role: a woman in a white button-down shirt with arms crossed, a woman in a white lab coat with a stethoscope holding a clipboard, a woman wearing a headset, and a woman wearing a yellow hard hat and safety glasses. In the bottom right corner, a woman in a black graduation cap and gown is shown from the chest up, with her hands clasped in front of her chin.

Shannon Ritter, Director
Jennifer Breman, Program Specialist
S. Patrick Kee, Program Specialist
Melissa Cassels, Administrative Secretary



What is Career and Technical Education?

Career and Technical Education (CTE) is a program of study that involves a multiyear sequence of courses that integrates core academic knowledge with technical and occupational knowledge to provide students with a pathway to postsecondary education and careers.

Career and Technical Education gives middle and high school students the chance to get a head start on preparing for college and careers. In CTE programs you will learn how core school subjects like math, science, and writing are used in real life.

Career Academies vs. CTE Programs at Schools

Career Academies are CTE magnet programs located on various campuses throughout the district that allow students to apply to a program of their choosing, regardless of where they are zoned, to attend high school. If accepted into a Career Academy, students are given a zoning exemption and attend that high school for all their academic and magnet courses. In other words, that school becomes their high school.

If a student decides to attend their zoned high school, there are still options to take CTE courses. This brochure outlines these options under "Other Career & Technical Programs" for each high school in the district.

CTE courses contain rigorous academic curriculum and performance standards and may be designated Level 3, the same as honors courses. All CTE courses count for the art credit required for graduation unless they are designated as a science or economics credit. Many CTE students earn industry certifications, which make them more employable. Industry certifications may be used to earn college credits and meet requirements for high school graduation. Contact your School Counselor for more information about these options.

Students who take at least three courses in a program may be eligible for the Florida Gold Seal Vocational Scholars Award. Students earning particular industry certifications may be eligible for the Florida Gold Seal CAPE Scholarship. Information about both of these programs can be found at floridastudentfinancialaid.org.

CTE students have the opportunity to participate in Career and Technical Student Organizations (such as DECA, FBLA, FFA, HOSA, and SkillsUSA) through which they develop valuable leadership skills and participate in competitions at the regional, state, and national level.

Students in CTE programs have the opportunity to participate in internships and/or work based learning. Health programs, for example, may do a clinical rotation in a local hospital, Vet Assisting students seeking their certification, volunteer for 250 hours in a local veterinary clinic. Many of our CTE programs have learning labs that offer work-based learning opportunities.



**Follow us on Facebook
@ Career & Technical Education
ACPS!**

F.W. BUCHHOLZ HIGH SCHOOL

📍 5510 Northwest 27th Avenue
Gainesville, FL 32606

☎ 352-955-6702

🌐 www.sbac.edu/buchholz

BHS



CAREER MAGNET ACADEMIES

Academy of Finance

The Academy of Finance offers a planned sequence of academic and technical courses including:

- Accounting, banking, and credit
- Financial planning
- Insurance and real estate investments
- International trade
- Securities (stocks and bonds)

Finance students operate the Bobcat Branch, an official branch of the Florida Credit Union on the Buchholz campus, and participate in Future Business Leaders of America (FBLA).

Certifications: QuickBooks, Entrepreneurship and Small Business, WordPress, Certified Bookkeeping Professional, Project Management Ready

Academy of Entrepreneurship

The Academy of Entrepreneurship is for students who are interested in Marketing, Hospitality, and Business Management. Students develop business plans and projects in areas such as advertising, sports & entertainment marketing, travel & tourism, and international business.

Students in this academy run The Spirit Spot – a school-based enterprise that provides goods/services to meet the needs of the BHS market.

Students also participate in DECA as their career and technical student organization.

Certifications: Entrepreneurship & Small Business, WordPress, Food Safety Manager, Project Management Ready, ServSafe

OTHER CAREER & TECHNICAL PROGRAMS AT BUCHHOLZ

Career and Technical Programs are elective courses in the high school and are open to all students.

Applied Engineering Technology

This course helps students understand the field of engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of associated mathematics, science, and technology knowledge and skills. The course also includes an in-depth look into the relationship between technology and design.

Certifications: Fusion 360, Inventor

Digital Media/Multimedia Design

This program provides students with experiences in web design, multimedia presentations such as video editing, audio features, and simple animation. Students will learn about digital photography, color modes, layout design, and much more.

Certifications: Photoshop, InDesign, Animate, Premiere, After Effects, Dreamweaver, Illustrator, Maya, Fusion 360, WordPress, Unity Programmer, Unity Artist

Principles of Food Prep / Nutrition & Wellness

Students learn basic nutrition, including food nutrient groups, food selection for personal growth and development, meal planning, buying and storing food items, meal management, table setting, and meal service. Laboratory activities in food preparation, cake decorating, and food cultural awareness are also included.

Certification: ServSafe, Food Safety Manager

EASTSIDE HIGH SCHOOL

📍 1201 Southeast 43rd Street
Gainesville, FL 32641

☎ 352-955-6704

🌐 www.sbac.edu/eastside

EHS



MAGNET ACADEMY INFORMATION

Institute of Culinary Arts

The Culinary Arts program at Eastside High School has been recognized as one of the Top 50 High School Culinary Programs in the nation. The program prepares students for careers in the hospitality and food service industry.

Students operate the Hungry Ram Café and Restaurant, as well as the Bighorn Cafe. They learn skills in areas such as:

- Safety Procedures
- Industrial Restaurant Equipment
- Baking
- Ice Carving
- Grillwork
- Kitchen Management
- Entrepreneurship

Students also have the opportunity to participate in paid internships.

Students participate and compete in their local SkillsUSA chapter as well as other cooking competitions.

Certifications: ServSafe, NRFSP Food Safety Manager, Certified Fundamentals Cook

OTHER CAREER & TECHNICAL PROGRAMS AT EASTSIDE

Career and Technical Programs are elective courses in the high school and are open to all students.

Barbering

Students will learn hair cutting, safety, sanitation, sterilization, shampooing, shaving, beard and mustache trimming as well as the Florida Laws and Rules governing the professional regulations in regards to Barbering.

Certifications: TBD

Digital Media Technology

This course is designed to introduce the student to: the internet, social media, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards. The course then builds on this base with the aim to introduce the student to the essential concepts, components, terminology, and knowledge about digital media, software applications, and delivery systems.

Certifications: WordPress

Medical Skills Program

Students in this program will take Medical Skills and Services, Health Science Anatomy & Physiology, Health Science Foundations, and Allied Health Assisting 3. In addition to their technical skills, they will learn occupation-specific skills, work attitudes, general employability skills, and knowledge of various aspects of Health Science. During their senior year, students will have the opportunity to participate in a clinical experience at UF Health where they rotate through various departments such as:

- Sterile Processing
- Admissions
- Supply Chain Services
- Patient Transportation
- Clinical Laboratory Services

At the end of this experience in their senior year, students are encouraged to apply for positions at UF Health.

Certifications: Certified Medical Administrative Assistant

GAINESVILLE HIGH SCHOOL

📍 1900 Northwest 13th Street
Gainesville, FL 32609

☎ 352-955-6707

🌐 www.sbac.edu/gainesville

GHS



CAREER ACADEMY INFORMATION

Academy of Health Professions

The Academy of Health Professions (AHP) provides classroom and clinical learning experiences at Shands/UF, HCA Florida North Florida Hospital, SF College and skilled nursing facilities for students interested in health-related careers. Students in this Academy participate in Health Occupation Students of America (HOSA).

Certifications: Certified Nursing Assistant, Certified Medical Administrative Assistant, EKG Technician

Academy of Future Teachers

In the Academy of Future Teachers (AFT) students learn about:

- Educational Technology
- Classroom Management
- Student Assessments
- Communication Skills

Students have the opportunity to learn about the profession of teaching and will have the chance to participate in internships in local classrooms.

Certification: WordPress, Florida Teacher Certification Examinations Professional Education Test

OTHER CAREER & TECHNICAL PROGRAMS AT GAINESVILLE

Career and Technical Programs are elective courses in the high school and are open to all students.

Digital Video Technology

Students will gain working knowledge and hands-on experience in all facets of television/video production including use of video equipment, story boarding, scripting, picture composition, audio recording, basic lighting and editing.

Certifications: Photoshop, Premiere, After Effects, WordPress, Unity Artist

Digital Media/Multimedia Design

This program provides students with experiences in webpage design, multimedia presentations such as video editing, audio features, and simple animation.

Certifications: Photoshop, InDesign, Illustrator, Premiere, After Effects, Fusion 360, WordPress, Unity Artist

Journalism and Multimedia

This program familiarizes individuals with creative writing, script writing, graphic communications, desktop publishing, television production, photojournalism, and investigative reporting.

Certifications: Photoshop, InDesign, Illustrator, WordPress

Hospitality & Tourism Management

The Hospitality & Tourism Management Program provides knowledge and skills ranging from entry-level to supervisory & management level positions.

Certifications: ServSafe, Food Safety Manager, Entrepreneurship and Small Business, Project Management Ready

Principles of Food Preparation/Nutrition & Wellness

The content includes but is not limited to preparing students to understand the principles of food, selection and storage, basic food preparation, and selection of food services. Students participate in labs which include basic food preparation.

Certifications: ServSafe, Food Safety Manager

HAWTHORNE HIGH SCHOOL

📍 21403 Southeast 69th Avenue
Hawthorne, FL 32640

☎ 352-481-1900

🌐 www.sbac.edu/hawthorne

HHS



CAREER ACADEMY INFORMATION

Academy of Agribusiness

The Academy of Agribusiness will allow students to explore the scope of the Agriscience industry; animal health and nutrition; maintain and service facilities, tools, and equipment; examine the scope of career opportunities in and the importance of agriculture to the economy. Hawthorne's agriculture program sits on 20 acres which includes 20 pig pens, 16 raised garden beds, and an area for citrus research.

Students will take Agriscience Foundations, Ag Leadership and Management, Principles of Agribusiness, Ag Business Ownership and they will have the option to take an Ag Ed Directed Study course to continue their experience. Students in this academy are highly involved in the local chapter of FFA.

Certifications: Agriculture Associate, Agritechnology Specialist, Agriculture Systems Associate

OTHER CAREER & TECHNICAL PROGRAMS AT HAWTHORNE

Career and Technical Programs are elective courses in the high school and are open to all students.

Principles of Food / Nutrition & Wellness

Students learn basic nutrition, including food nutrient groups, food selection for personal growth and development; meal planning; buying and storing food items; food, energy, resource conservation; meal management, table setting and meal service. Laboratory activities in food preparation are also included.

Certifications: ServSafe, Food Safety Manager

Applied Engineering Technology

This course helps students understand the field of engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of associated mathematics, science, and technology knowledge and skills. The course also includes an in-depth look into the relationship between technology and design.

Certifications: Fusion 360

**PROFESSIONAL ACADEMIES
MAGNET @ LOFTEN HIGH SCHOOL**

📍 3000 East University Avenue
Gainesville, FL 32641

☎ 352-955-6839

🌐 www.sbac.edu/loften

LHS



ACADEMY CONCEPT

Each student at the Professional Academies Magnet selects a career cluster area of interest in addition to an academic schedule to provide the best foundation skills required for the workforce and in post-secondary education. Each academy has their own chapter of SkillsUSA or FBLA where they compete on the local, state, and national level.

Academy of Automotive Technology

The automotive program allows students to explore career opportunities and requirements of a professional service technician. Students study safety, tools, equipment, basic engine fundamentals, electrical systems, starting & charging systems, batteries, lighting & electrical accessories.

Certifications: ASE Entry Level Certifications, Florida Automobile Dealers Association (FADA), ASE Auto Maintenance and Light Repair (G1)

Academy of Gaming & Mobile Apps

This academy offers a sequence of courses in technology combined with a strong emphasis on programming and prepares students for further education and careers such as a Game/Simulation Designer, Game Programmer, and Game Software Developer. Students will create their own video game using various programming languages.

Certifications: Unity Certified Artist, Unity Certified Programmer, Unity Certified VR Developer

Academy of Media Production Technology

AMPT offers students the opportunity to get hands on experience in filmmaking. Learn the power of visual storytelling by using lighting, camera angles and special effects to create videos, short films webcasts and more.

Certifications: Premiere Pro, After Effects, WordPress

Institute of Graphic Art and Design

The Institute of Graphic Art and Design (IGAD) offers a multitude of digital and traditional art courses which prepare students for real world professional art and design jobs. Our Graphic and Visual Arts Pathway is accessible for students of all abilities. Students who choose the Institute of Graphic Art and Design will prepare themselves for a future in a highly competitive artistic marketplace.

Certifications: Photoshop, Illustrator, InDesign

Academy of Robotics and Engineering

Students in the Academy of Robotics and Engineering receive instruction in robotics and automation, including artificial intelligence, electronics, physics, and principles of engineering. In addition, students will learn rapid prototyping utilizing 3D printing technologies. The third and fourth years of the academy will focus on Applied Information Technology, preparing students for careers in the Information Technology cluster.

Certifications: Fusion 360, Inventor, IT Fundamentals, Python, Azure AI Fundamentals, Project Management Ready, Networking Fundamentals

Academy of Fire and Emergency Medical Services

Students attending the Academy of Fire and Emergency Medical Services are introduced to healthcare and public safety careers. The cadets are trained as Emergency Medical Responders, Fire Fighter I, and also have the opportunity to dual enroll at Santa Fe College in the Emergency Medical Technician program. The curriculum covers basic fire fighting skills in Fire Fighting 1, 2, and 3. The Health Science courses cover the basic medical skills in CPR, patient assessment, and first aid. The summer following their senior year, students interested in earning their Florida State Fire Fighter I certification will have the opportunity to complete a short course where they will complete the final live burn scenarios.

Certifications: Emergency Medical Responder, Fire Fighter I

NEWBERRY HIGH SCHOOL

📍 400 Southwest 258th Street
Newberry, FL 32669

☎ 352-472-1101

🌐 www.sbac.edu/newberryhigh

NHS



CAREER MAGNET ACADEMY

Academy of Criminal Justice

The Academy of Criminal Justice is a magnet program for students interested in pursuing a career in the legal profession, law enforcement, court systems, or corrections.

Students in the Academy take all academic course requirements for graduation as well as specialized courses within the Academy, such as:

- Constitutional & Criminal Law
- Criminal Procedures
- Judicial Process
- Law Enforcement
- Juvenile Justice
- Self-defense
- Patrol Techniques
- Traffic Accident Investigation

Students in the Academy of Criminal Justice participate in the Florida Public Service Association (FPSA) where they participate in local and statewide conferences and competitions.

Certifications: 911 Telecommunicator

OTHER CAREER & TECHNICAL PROGRAMS AT NEWBERRY

Career and Technical Programs are elective courses in the high school and are open to all students.

Digital Design

Students in the Digital Design program use computers, digital cameras, and Adobe software to create graphics and designs. The program prepares students for employment in digital publishing positions, such as Information Technology Assistants, Production Assistants, Digital Assistant Designers, Graphic Designers, and Multi-Media Designers.

Certifications: InDesign, Photoshop, Illustrator, WordPress

Culinary Arts

Students in this program will learn about the culinary industry including all aspects of the preparation, presentation and serving of food. Also covered are safety guidelines, basic nutrition and how to follow recipes in a food preparation lab. Students work in a hands on state-of-the-art industrial kitchen.

Certification: ServSafe

Agricultural Communications & Agritechnology

Students explore the scope of the Agriscience industry; animal health and nutrition; maintain and service facilities, tools, and equipment; investigate the communications sector of the agricultural industry, and create an agriculture communication campaign. Students are involved in the local chapter of FFA.

Certification: Agritechnology Specialist, Agriculture Associates, Agriculture Communications Specialist, Animal Science Specialist, Agriculture Systems Associate

SANTA FE HIGH SCHOOL

 16213 NW US Highway 441
Alachua, FL 32615

 386-462-1125

 www.sbac.edu/santafe

SFHS



MAGNET ACADEMY INFORMATION

Institute of Biotechnology

Biotechnology is the manipulation of living things for the benefit of mankind. This includes the technological application of living organisms or their derivatives, such as DNA, proteins, or cells, to make or modify new products or processes. Today, with our understanding of genetics, we are solving real world problems related to health, agriculture and new building materials. Students in this program learn how to utilize biotech equipment and become a valuable asset to a production team.

Certification: Biotechnician Assistant, Agriculture Biotechnology Specialist, Project Management Ready, Entrepreneurship and Small Business

Academy of Agriscience

The Academy of Agriscience is designed for students who wish to pursue a career in: Animal Science, Agritechnology, or Ornamental Horticulture. Santa Fe has a 20 acre land lab and a state of the art facility. Students grow their own plants in the greenhouse; experience the entire life cycle of animals; practice animal husbandry and are introduced to the business side of agriculture. Students in this academy are highly involved in the local chapter of FFA.

Certifications: Animal Science, Agriculture Associate, Certified Horticulture Professional, Agritechnology Specialist, Agriculture Systems Associate

Academy of Veterinary Assisting

Students wishing to pursue a career in Veterinary Assisting, will take Vet Assisting 1, 2, 3, and 4 in this program. Veterinary laboratory techniques will be taught; students will gain hands on knowledge both at school and during 250 volunteer hours in local veterinary clinics. Students in this academy are highly involved in the local chapter of FFA.

Certifications: Animal Science, Certified Veterinary Assistant

OTHER CAREER & TECHNICAL PROGRAMS AT SANTA FE

Career and Technical Programs are elective courses in the high school and are open to all students.

Digital Design

Students in the Digital Design program use computers, digital cameras and Adobe software to create graphics and designs. The program prepares students for employment in digital publishing positions, such as Information Technology Assistants, Production Assistants, Digital Assistant Designers, Graphic Designers, and Multi-Media Designers.

Certifications: Photoshop, InDesign, Illustrator, IT Fundamentals, Word Press

Principles of Food Prep / Nutrition & Wellness

Students learn basic nutrition, including food nutrient groups, food selection for personal growth; meal planning; meal management, table setting and meal service. Laboratory activities in food preparation are also included.

Certification: ServSafe

Applied Engineering Technology

This course helps students understand the field of engineering technology by developing a more in-depth mastery of associated mathematics, science, and technology knowledge and skills. The course includes an in-depth look into the relationship between technology and design.

Certifications: Fusion 360

Air Conditioning, Refrigeration and Heating Technology

The purpose of this program is to prepare students for employment in the heating, ventilation, air-conditioning and refrigeration industry. The program offers a sequence of courses that provide content needed to prepare for further education and careers in the Architecture and Construction career cluster.

Certifications: NCCER HVAC Level 1

MIDDLE SCHOOLS

MS



CAREER & TECHNICAL EDUCATION MIDDLE SCHOOL COURSES

Bishop Middle School

- Coding Fundamentals
- Computer Applications in Business
- Exploring Information Technology Careers
- Information & Communications Technology
- Introduction to Arts, A/V and Communications

Ft. Clarke Middle School

- Coding Fundamentals
- Computer Applications in Business
- Information & Communications Technology

Hawthorne Middle School

- Exploration of Agriscience
- Introduction to Agriscience
- Orientation to Agriscience
- Integrated Technology Studies
- Fundamentals of Agriculture
 - Food and Natural Resources Services
- Fundamentals of Agriculture
 - Food and Natural Resources Systems

High Springs Community School

- Exploration of Agriscience
- Introduction to Agriscience
- Orientation to Agriscience
- Computer Applications in Business

Lincoln Middle School

- Coding Fundamentals
- Computer Applications in Business
- Introduction to Health Science Career Pathways
- Orientation to Health Science
- Introduction to Health Science Career Pathways and Career Planning

Mebane Middle School

- Exploration of Agriscience
- Introduction to Agriscience
- Orientation to Agriscience
- Introduction to Law and Public Safety and Security
- Exploration of Criminal Justice Operations
- Exploration of Health Science Professions and Career Planning

Oak View Middle School

- Coding Fundamentals
- Computer Applications in Business
- Information & Communications Technology
- Integrated Technology Studies

Westwood Middle School

- Coding Fundamentals
- Computer Applications in Business
- Information & Communications Technology
- Introduction to Business Management and Administration
- Orientation to Career Clusters



FALL 2024

Alachua County Public Schools does not discriminate on the basis of race, color, religion, national origin, gender, age, disability (Section 504/ADA), sexual orientation, gender identity, or marital status, genetics or legally-protected characteristics in its educational programs, services or activities, or in its hiring practices. The district also provides equal access to its facilities to the Boy Scouts and other patriotic youth groups, as required by the Boys Scout of America Equal Access Act. The Board designates the following individuals to serve as the District's "Compliance Officers" (also known as the Civil Rights Coordinators), and who shall also serve as the District's Section 504 Compliance Officer/ADA Coordinator, and Title IX Coordinator. For contacts and more information <https://www.sbac.edu/equalop> Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail regarding official business to the District or any of its employees. Instead, contact the District or individual employee by phone or in writing.