

Alachua County Public Schools CAREER AND TECHNICAL EDUCATION



2022-2023

**CAREER & TECHNICAL
EDUCATION DEPARTMENT**

 3000 East University Avenue
Gainesville, FL 32641

 352-955-6847

A composite image featuring a green chalkboard background. Four thought bubbles are drawn on the board, each containing a portrait of a staff member: a woman with arms crossed, a doctor in a white coat, a woman wearing a headset, and a woman wearing a yellow hard hat. In the bottom right corner, a large portrait of a female graduate in a black graduation cap and gown is shown, with her hands clasped in front of her.

Shannon Ritter, Director
Jennifer Breman, Program Specialist
Jill Geltner, Career Specialist
S. Patrick Kee, Program Specialist
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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. Some courses count toward science, practical arts, or economics credits required for high school graduation. 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, FPSA, HOSA, and SkillsUSA) through which they develop valuable leadership skills and participate in competitions at the regional, state, and national level.



***You can find our Facebook page at
ACPS CTE!***

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, Social Media Strategist

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: ServSafe, Social Media Strategist, Entrepreneurship & Small Business, WordPress

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, SOLIDWORKS Associate, SOLIDWORKS Professional

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

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

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.

Digital Media Technology

Students will learn to record audio/video and how to edit projects – all in a live studio setting. Students will develop a portfolio which will include 2D and 3D animation including an amateur short film, commercial advertisement, and Visual Postcard.

Certifications: TBD

Medical Skills Program @ EHS:

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, NFRMC, SF College, Walgreens and skilled nursing facilities for students interested in health-related careers. Students in this Academy participate in Health Occupation Students of America (HOSA).

Industry Certifications: Certified Nursing Assistant

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

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

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

Journalism

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

Certifications: Photoshop, InDesign, Illustrator

Hospitality & Tourism Management

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

Certification: ServSafe, NRFSP Food Safety Manager

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.

Certification: ServSafe, NRFSP Food Safety Manager

HAWTHORNE HIGH SCHOOL

📍 21403 Southeast 69th Avenue
Hawthorne, FL 32640

☎ 352-418-1900

🌐 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.

Certification: ServSafe

Entrepreneurship

This program offers content to help students develop strategic marketing with sales and customer plans and develop the fundamentals of sports recreation, and entertainment marketing.

Certifications: Entrepreneurship and Small Business, Social Media Strategist

**PROFESSIONAL ACADEMIES
MAGNET @ LOFTEN HIGH SCHOOL**

📍 3000 East University Avenue
Gainesville, FL 32641

☎ 352-955-6839

🌐 www.sbac.edu/loften

LHS



ACADEMY CONCEPT

The Professional Academies Magnet @ Loffen High School is a Wall-to-Wall Magnet Academy High School.

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 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. The shop is a NATEF certified facility and the instructor is an ASE Master Mechanic.

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.

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

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, Toon Boom

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 and Technology, preparing students for careers in the Information Technology cluster.

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

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: Social Media Strategist

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, Unity Artist

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

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 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.

Certification: ServSafe

Television Production Technology

Students in the television production program are prepared to become television production operators, television broadcast technicians, camera operators, and video/audio recording engineers. They learn aspects of the arts, A/V Technology and Communications career cluster.

Certifications: Premiere, After Effects, Photoshop

MIDDLE SCHOOLS

MS



CAREER & TECHNICAL EDUCATION MIDDLE SCHOOL COURSES

Bishop Middle School

- Business Keyboarding
- Coding Fundamentals
- Computer Applications in Business 1-4
- Exploring Information Technology Careers
- Information & Communications Technology 1-3
- Introduction to Arts, A/V and Communications

Ft. Clarke Middle School

- Coding Fundamentals
- Computer Applications in Business 1
- Information & Communications Technology 1-2

Hawthorne Middle School

- Exploration of Agriscience
- Introduction to Agriscience
- Orientation to Agriscience

High Springs Community School

- Exploration of Agriscience
- Introduction to Agriscience
- Orientation to Agriscience

Kanapaha Middle School

- Business Keyboarding
- Computer Applications in Business 1-4
- Information & Communications Technology 1-3

Lincoln Middle School

- Business Keyboarding
- Coding Fundamentals
- Computer Applications in Business 1-4

Mebane Middle School

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

Oak View Middle School

- Business Keyboarding
- Coding Fundamentals
- Computer Applications in Business 1-4
- Exploration of Engineering Technology
- Exploration of Robotics Technology
- Exploring Technology
- Information & Communications Technology 1-3
- Introduction to Technology

Westwood Middle School

- Coding Fundamentals
- Computer Applications in Business 1-4
- Information & Communications Technology 1-3
- Introduction to Business Management and Administration
- Orientation to Career Clusters



FALL 2022

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