

Alachua County Public Schools
CAREER AND TECHNICAL EDUCATION



Including
Career Magnet Academies | High School Programs

2018-2019

**CAREER & TECHNICAL
EDUCATION DEPARTMENT**

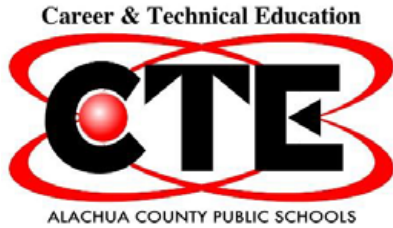
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Gainesville, FL 32641

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 bit.ly/acpscte



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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

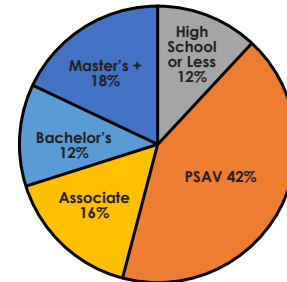
Career Academies are CTE magnet programs located on various campuses throughout the district that allow students to apply to a program of their choosing, regardless of where they are zoned to attend high school. If accepted into a Career Academy, students are given a zoning exemption and attend that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

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

Level of Education Required for Florida's 50 Fastest-Growing Occupation



Source: Florida Department of Economic Opportunity (2016-2024)

www.floridajobs.org/lmsc/ep

F.W. BUCHHOLZ HIGH SCHOOL

📍 5510 Northwest 27th Avenue
Gainesville, FL 32606

☎ 352.955.6702

🌐 [http://buchholz.sbac.edu/
pages/BHS0431](http://buchholz.sbac.edu/pages/BHS0431)

BHS



CAREER MAGNET ACADEMIES

Academy of Finance

The Academy of Finance offers a planned sequence 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.

Certifications: Microsoft Office Specialist, QuickBooks

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, sport & 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.

Certifications: Microsoft Office Specialist, QuickBooks.

OTHER CAREER & TECHNICAL PROGRAMS AT BUCHHOLZ

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

Digital Multimedia Design

This program provides students with experiences in Web page 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, Illustrator, InDesign, Flash.

Drafting

Students learn the basic principles of mechanical and architectural drafting with a fundamental introduction to Computer-Aided Drafting (CAD). Content includes multi-view drawings, lettering, dimensioning, pictorial drawings, section drawings, auxiliary views, floor plans, electrical plans, and wall sections. Hands-on projects include a scaled model house and CO dragsters.

Certification: AutoCAD

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

EASTSIDE HIGH SCHOOL

📍 1201 Southeast 43rd Street
Gainesville, FL 32641

☎ 352.955.6704

🌐 [http://eastside.sbac.edu/
pages/EHS0421](http://eastside.sbac.edu/pages/EHS0421)



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. While students operate the Hungry Ram Café and Restaurant, 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.

When students meet academic standards and participate in 400 hours of work experience, they are awarded the Pro Start National Certificate of Achievement that allows them to earn college credits and opportunities for scholarships.

Certifications: Certified Food Production Manager (ServSafe) and National ProStart Certificate of Achievement.

OTHER CAREER & TECHNICAL COURSES 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 video and audio, how to export files, 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: Adobe Illustrator, Photoshop, Premiere Pro, Animate

Medical Skills and Services

Students interested in the Allied Health Assisting program at EHS are encouraged to take this introductory course. Medical Skills and Services will cover basic communication skills, mathematics skills used in health care, first aid, CPR, BLS, blood borne diseases, whole body wellness, and more.


Allied Health Assisting

Students in this program will take **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 all aspects of Health Science. During their senior year, students will have the opportunity to participate in a clinical experience at a local healthcare facility.

Certifications: TBD

GAINESVILLE HIGH SCHOOL

 1900 Northwest 13th Street
Gainesville, FL 32609

 352.955.6707

 [http://gainesville.sbac.edu/
pages/GHS0151](http://gainesville.sbac.edu/pages/GHS0151)

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.

Certifications: Certified Nursing Assistant, Certified Pharmacy Technician, EKG Technician, Emergency Medical Technician.

Academy of Future Teachers (AFT)

In the Academy of Future Teachers students learn:

- 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 elementary and middle school classes.

Certification: Microsoft Office Specialist

OTHER CAREER & TECHNICAL PROGRAMS AT GAINESVILLE

Digital Design

Students in the Digital Design program use computers, digital cameras and Adobe software to create graphics and designs.

Certifications: Microsoft Office Specialist, Adobe InDesign, Illustrator, Photoshop.

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, Illustrator, InDesign, Flash

Digital Media / Multimedia Design

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

Certifications: Photoshop, Illustrator, InDesign, Flash

Journalism

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

Certifications: Photoshop, Illustrator, InDesign

Hospitality & Tourism

The Hospitality & Tourism Management Program provides knowledge and skills ranging from entry-level to supervisory & management level positions with industry recognized certification opportunities in the Hospitality & Tourism industries. This is a 4-year program.

Certification: ServSafe

Food Preparation

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.

HAWTHORNE HIGH SCHOOL

 21403 Southeast 69th Avenue
Hawthorne, FL 32640

 352.418.1900

 [http://hawthorne.sbac.edu/
pages/HAW0201](http://hawthorne.sbac.edu/pages/HAW0201)

HHS



CAREER AND TECHNICAL COURSES

Animal Science and Services

This program starts with Agriscience Foundations, which offers an overview of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; agribusiness; leadership skills, and more. In the second and third year of the program, students will develop competencies in the areas of safety; animal behavior; animal welfare; animal control; and employability skills.

Certifications: Agriculture Associate


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

**PROFESSIONAL ACADEMIES
MAGNET @ LOFTEN HIGH SCHOOL**

 3000 East University Avenue
Gainesville, FL 32641

 352.955.6839

 [http://loften.sbac.edu/
pages/LOF0411](http://loften.sbac.edu/pages/LOF0411)



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 postsecondary education. Students can apply to start in 9th, 10th or 11th grade.

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 Automotive Maintenance and Light Repair -G1, Florida Automobile Dealers Association (FADA)

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: Adobe Flash/Animate

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. It offers a tiered level of classes in two and three dimensional, as well as digital arts. 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 Automation and Production Technology, preparing students for careers in the manufacturing cluster.

Certifications: RECF Pre-Engineering, RECF Robotics, Autodesk Inventor

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

🌐 <http://newberryhigh.sbac.edu/pages/NHS0261>

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

The students receive hands on experience in the field of Law Enforcement, or with the Alachua County Teen Court Program, serving as jurors, lawyers, or bailiffs.

Certifications: Small UAS Safety, Accredited Legal Professional

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: Microsoft Office Specialist, Adobe InDesign, Illustrator, Photoshop

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

Agritechnology

Students 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; welfare and control as well as employability skills as the related to the field of agriculture.

Certification: Agritechnology, Animal Science

SANTA FE HIGH SCHOOL

 16213 NW US Highway 441
Alachua, FL 32615

 386.462.1125

 [http://santafe.sbac.edu/
pages/SFH0271](http://santafe.sbac.edu/pages/SFH0271)

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

Academy of Agriscience

The Academy of Agriscience is designed for students who wish to pursue a career in: Veterinary Medicine, Animal Science, Agritechnology, Ornamental Horticulture, or Agriculture Communications. Santa Fe has a 20 acre land lab and a state of the art facility, including the use of artificial insemination equipment. Students grow their own plants in the greenhouse; experience the entire life cycle of animals; practice animal husbandry; or veterinary laboratory techniques according to their program of study.

Certifications: Animal Science, Agritechnology, Agricultural Communications, 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 Information Technology

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on:

- Fundamental computer skills
- Internet
- Spreadsheets
- Presentation applications
- Management of personal information and email
- Word processing and document manipulation

Certifications: Microsoft Office Specialist

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: Adobe InDesign, Illustrator, Photoshop

MIDDLE SCHOOLS

MS



CAREER & TECHNICAL EDUCATION MIDDLE SCHOOL COURSES

Bishop Middle School

- Business Keyboarding
- Computer Applications in Business 1
- Computer Applications in Business 2
- Information and Communications Technology 1
- Information and Communications Technology 2
- Information and Communications Technology 3
- Introduction to Arts, A/V Technology and Communications

Ft. Clarke Middle School

- Exploration of Information Technology Careers
- Information and Communications Technology 1
- Personal Development

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
- Computer Applications in Business 2
- Digital Information Technology

Lincoln Middle School

- Information and Communications Technology 1

Mebane Middle School

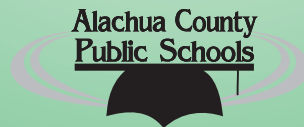
- Exploration of Agriscience
- Introduction to Agriscience
- Orientation to Agriscience

Oak View Middle School

- Computer Applications in Business 1
- Computer Applications in Business 2
- Information and Communications Technology 1
- Information and Communications Technology 2
- Information and Communications Technology 3

Westwood Middle School

- Digital Information Technology
- Information and Communications Technology 1



FALL 2018

Alachua County Public Schools does not discriminate on the basis of race, color, religion, national origin, sex (gender), marital status, disability (Section 504/ADA), sexual orientation, gender identity, age, genetics or legally-protected characteristics in its educational programs and activities.