Alachua County Public Schools

CAREER AND TECHNICAL EDUCATION

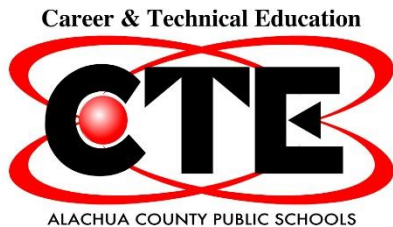## 2019-2020

**CAREER & TECHNICAL
EDUCATION DEPARTMENT**

3000 East University Avenue
Gainesville, FL 32641

352-955-6847

Alachua County
Public Schools

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Career & Technical Education

CTE

ALACHUA COUNTY PUBLIC SCHOOLS

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.
CTE students have the opportunity to participate in Career and Technical Student Organizations (such as DECA, FBLA, FCCLA, FFA, FPSA, HOSA, 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.

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, 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.

Certifications: Microsoft Office Specialist, QuickBooks, ServSafe

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, Animate

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 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

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. 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 ProStart 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 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: Microsoft Office Specialist, Illustrator, Photoshop, Premiere Pro, Animate

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 a local healthcare facility.

Certifications: TBD

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.

Industry Certifications: Certified Nursing Assistant, Certified Pharmacy Technician, EKG Technician, Emergency Medical 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 elementary and middle school classes.

Certification: Microsoft Office Specialist

OTHER CAREER & TECHNICAL PROGRAMS AT GAINESVILLE

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, Premiere Pro, Animate

Digital Multimedia Design

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

Certifications: Photoshop, Illustrator, InDesign, Animate

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, Front Desk Supervisor

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

www.sbac.edu/hawthorne

HHS

CAREER AND TECHNICAL COURSES

Center for Agritechnology @ Hawthorne Middle/High:

The Agritechnology program 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, Agritechnology 1 and 2, with the option to take an Ag Ed Directed Study course to continue their experience in a vibrant program that is partnering with the University of Florida to study food and nutrition practices.

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

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, InDesign, Illustrator, Photoshop

**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 @ Loften 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. **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 Entry Level Brakes and Suspension/Steering; 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 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. 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: 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

🌐 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

Certifications: Small UAS Safety

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, 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

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

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.

Certifications: Animal Science, Agriculture 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.

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: Microsoft Office Specialist, InDesign, Illustrator, Photoshop

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

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

- 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
- Information and Communications Technology 1

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
- Computer Applications in Business 1

FALL 2019

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.