



HIGH SCHOOL PROGRAMS & CLASSES



THE
Guthrie CENTER
Discover. Apply. Succeed.

Our students receive the highest technical, professional and leadership skills training in a simulated workplace environment to prepare them for success in any future career.

INVEST IN YOURSELF

We are an elective campus for students in grades 9-12 providing technical, project-based, interactive classes that emulate a work environment. Our instructors get you involved and moving so you can learn by doing. All Guthrie programs are integrated in one or more of SBISD's Career and Technical Education Programs of Study.

3D ANIMATION

Develop your skills in sketching, storyboarding, character rigging and motion capture in 3D Animation. Bring your creativity and imagination to life through software used in the 3D industry including Autodesk Maya, 3D Studio Max, ZBrush, and Unreal Engine. Animation Practicum students have access to our Motion Capture Studio to provide realistic and natural movement to projects.

3D Animation and Visualization 1
3D Animation and Visualization 2
3D Animation Game Development Practicum

AGRICULTURAL SCIENCE

Ag Science classes are held on our farm so you can see the practical applications of what you learn in each class. An added benefit of taking an agricultural science class is the option to join FFA to participate in a variety of competitions and raise a project for the annual FFA Livestock Show and Sale. Many scholarships are only available to FFA members.

Principles of Agriculture
Small Animal Management | Equine Science
Livestock Production
Agricultural Mechanics
Floral Design
Wildlife, Fisheries and Natural Resources
Advanced Animal Science
Veterinary Medical Applications
Agribusiness Management & Marketing
Agriculture Practicum

ARCHITECTURAL DESIGN

In Architectural Design, we believe critical thinking, creativity, and problem solving ignite deeper learning. We start with architectural history and quickly move to develop your proficiency in architectural sketching, perspectives and technical drawing. We use industry-standard software including AutoCAD, Revit, Photoshop, and SketchUp, and can earn certifications in AutoCAD and Revit in years 2 and 3. You'll finish the program with a solid portfolio that you can use for admission to competitive architecture schools.

Principles of Arch | Architectural Design
Architectural Design 2
Architectural Design Practicum

COMMERCIAL PHOTOGRAPHY

Commercial Photography helps you discover your artistic voice through the art of persuasion in entertainment, marketing, public relations, and sales. Beginning with the fundamentals of photography and practicing professional techniques in composition, lighting and studio, you'll be able to plan and shoot a series of photographs that impact others, and make the jump from hobbyist to a sophisticated professional artist. In addition to hands-on training using industry-standard software and equipment, you'll learn how

to make decisions about productions, problem-solving, time and project management, and how to artfully critique the work of others. These skills and concepts will help turn you into an excellent photographer, and help you be successful in any career you choose.

Commercial Photography 1
Commercial Photography 2
Commercial Photography Practicum

COMPUTER TECH & CYBERSECURITY

Jump in to learn about one of the most in-demand careers via hands-on training with the latest industry-standard networking and hardware. In Computer Maintenance you will assemble a computer, install an operating system, and troubleshoot using system tools and diagnostic software to help prepare you to earn the CompTIA A+ certification. Cisco Networking covers situations you may encounter in a small office or a complex enterprise network. Hands-on practice labs help prepare you for Cisco CCNA Certification and entry-level career opportunities. Computer Technician practicum students can apply problem-solving skills to fix issues and ensure functionality with hardware, software, and equipment. They also install networks and manage components, security options and software to maintain privacy and protect from attacks. Cybersecurity is the capstone class with a focus on the ethics, laws, and operations of cybersecurity, examining trends and operations of cyberattacks, and develop security policies to mitigate risk.

Computer Maintenance
Computer Technician Practicum

Cisco Networking
Cybersecurity | Project Based Learning

COSMETOLOGY

Cosmetology places you in a salon-like environment to apply what you learned in school and become proficient and employable in the world of hair, nails and skin care. Our learning sequence provides job-specific training for employment in cosmetology careers, with a strong science foundation. Mastery of topics happens through advanced training in sterilization and sanitation, all facets of cutting, styling, caring for and developing your creative techniques. Classes are a blend of digital learning, hands-on workshops, guest artists and visits to successful business partners. After successfully completing the Cosmetology program and passing the Texas Cosmetology exams, you will earn your Texas license immediately after graduation.

Principles of Cosmetology Design | Intro to Cosmetology
Cosmetology 1
Cosmetology 2

CHOOSE GUTHRIE

CRIMINAL JUSTICE

The CJ program is the ideal place if you have an interest in law enforcement and careers in our legal system. Explore a variety of avenues to find the college degree or plan the career to help you attain your goals. Our courses in Law Enforcement, Court Systems, Forensic Science and Criminal Investigations prepare you for successful internships and college, which is a requirement for any level of Law Enforcement. Become well-versed in the laws of the United States and Texas and how careers such as police officer, attorney, probation officer, forensic scientist and crime scene investigator apply these laws in their daily work routine. If you have a calling to serve others, the ability to keep a cool head under pressure, a desire to study law, protect our rights and freedoms, or focus in forensic areas of science, we are your program.

Law Enforcement 1 | Criminal Investigations
Law Enforcement 2 | Court Systems
Forensic Science
Law Practicum

CULINARY ARTS

Culinary Arts encompasses the fundamentals of cooking, the science of baking, food service management, production skills, and sanitation procedures. Along with guest chefs, we will help you develop and refine your creative side and master the steps of recipe development and event planning, including preparing and serving a variety of dining events. The second year will increase your depth of knowledge in specific areas including baking, protein selection, advanced nutrition and sustainability. Gain an understanding of front and back of the house roles and how these areas work together to create a successful operation. Chef Training Practicum is perfect for students with a strong interest in becoming a chef, while Cafe Operations Practicum will put you in the driver's seat running and managing small operations like our campus coffee shop. The culinary facility at Guthrie is a state-of-the-art, high-level system of teaching kitchens and labs that surpasses most post-secondary culinary schools in Texas.

Culinary Arts 1
Culinary Arts 2
Cafe Operations Practicum
Chef Training Practicum

DENTAL ASSISTANT

The Dental Assisting program provides a foundation of language, anatomy, and procedure that will be used in all dental career paths. Students in the Dental Assisting program will learn how to provide patient care and chairside support, assisting Dentists and Dental Hygienists with dental procedures such as fillings, dental impressions, and X-rays.

Health Science Theory and Clinical
Dental Assistant Practicum

ELECTRICIAN TECHNICIAN

The Electrician Technician program is an outstanding head start to enter the high-demand, high-skill field of electrical work. Classes are taught by a licensed electricians and earn dual credit from Houston Community College. By

graduation, you can leave with a Level 1 Certificate in Commercial Electrical Technology from HCC, and can sign up continue training in a registered apprenticeship program.

Electrical Technician 1 | Project Based Research
Electrical Technician 2

FILMMAKING

Filmmaking teaches you how to take an idea from concept to a professional, broadcast-ready film. By learning how to write, pitch, direct, edit and produce public service announcements, documentaries, short films, music videos, and television talk shows, you will understand how to build and manage projects and see them to completion. Our program teaches problem-solving, time management, troubleshooting, teamwork and collaborative compromise while you work with a diverse network of students and adults to produce film projects. Complete the program with a demo reel and production portfolio of all of the projects that you produced.

Film and Video Production 1
Film and Video Production 2
Film and Video Practicum

GRAPHIC DESIGN

Graphic Design develops your creative talents and communication skills through the manipulation of type, image and space to produce effective, powerful communications. Graphic Design concepts are used to create logos, ads, magazines, websites, apps, motion graphics and more. After starting with principles of design and imaging techniques, you'll create both digitally with Adobe Creative Cloud and manually with your hands and physical material. Anyone with enthusiasm, focus, and attention to detail can be successful in Graphic Design. Drawing and sketching experience is an advantage.

Graphic Design 1
Graphic Design 2
Graphic Design Practicum

INTERNSHIPS

An Internship is a work and learning experience to intensify preparation for a specific career field. As a Guthrie Intern, you can apply your technical knowledge to actual work experiences. Both you and the employer win since interns typically work alongside practicing professionals as they tackle projects and challenges on a daily basis. Interns are juniors and seniors focused on or possessing high-level technical skills, and are placed based on previous electives and what you desire to study in college or the career you want to pursue after graduation. You will be able to observe all aspects of a company operation and all you have learned in school to the workplace.

Internships 1
Internships 2

FIND YOUR **PASSION** JUMP START YOUR **CAREER**

NAVY JROTC

As a first year cadet, we introduce you to citizenship, leadership, and the value of scholarship to reach your goals. You will see how physical fitness, a proper diet, and controlling stress helps you perform at your best. We also cover first aid, geography, survival skills, Naval ships and aircraft. The 2nd year takes you deeper into citizenship and leadership, and technical areas of naval science and the role of the U. S. Navy in maritime history. Year 3 focuses on military leadership and the significance of teamwork, order and discipline to accomplish objectives. NS4's focus on practical leadership techniques and implementation by putting cadets in positions of supervised leadership and helping them analyze the reasons for their varying degrees of success throughout the year. There is no military obligation for students. Students who do enlist will receive a pay grade increase after 2 years in the program. Throughout the year cadets are involved with community service activities, drill and orienteering competitions; field meets, visits to naval bases, marksmanship sports training, and physical fitness training.

Naval Science 1
Naval Science 2
Naval Science 3
Naval Science 4

PATIENT CARE TECHNICIAN

A Patient Care Technician is like a jack-of-all-trades in the medical support field. Patient Care Techs do exactly what the name implies - take care of patients in many medical areas including phlebotomy, infection control, electrocardiography, wound care, catheter care and teaching patients how to care for themselves. PCT's also play a vital role in medical documentation and medication administration. All of these duties are critical to providing proper care for ailing patients.

Health Science Theory and Clinical
Patient Care Technician Practicum

PHARMACY TECHNICIAN

The Pharmacy Technician program provides students who have been completing Health Science classes the opportunity to earn the national Pharmacy Technician certification and immediately enter the field of prescription medicine. This high-demand, technical career can be your destination or entry point into any area of the growing healthcare industry.

Health Science Theory and Clinical
Pharmacy Technician Practicum

CERTIFICATIONS

ACT Work Keys
Adobe Certified Professional InDesign
Adobe Certified Professional Illustrator
Adobe Certified Professional Photoshop
Adobe Certified Professional Premiere Pro
Autodesk Certified User 3D Studio Max
Autodesk Certified User AutoCAD
Autodesk Certified User Revit
Certified Nurse Assistant
Certified Vet Assisstant Level 1
CompTIA A+
Comptia A+ 1101
CompTia A+ 1102
CompTIA IT Fundamentals
CompTIA Networking
Dell Enterprise Foundations
HCCS Commercial Electrical Technology Certificate
Navy JROTC Completion
OSHA 10
OSHA 30
Patient Care Techician
Phlebotomy
PTCB & Texas Board of Pharmacy
ServeSafe Manager
ServSafe Food Handler
Sterile IV Processing
Teen Police Academy (PCT 5)
Texas Cosmetology Operator Exam
Texas Hunter's Education Certification Fall
Texas State Floral Association Knowledge Base

Rev. 01/2023



It is the policy of Spring Branch Independent School District not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

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National Technical
Honor Society