EAST FORSYTH HIGH SCHOOL

8910 Jot Em Down Rd, Gainesville, GA 30506
770-888-1235 | www.forsyth.k12.ga.us/dhs

For more education on each pathway, download a complete Program of Study: https://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Programs-of-Study.aspx

CLUSTER	PATHWAY	DETAIL	COURSE 1	COURSE 2	COURSE 3	COURSE 4	CAREER CHOICES	
ADVANCED MANUFACTURING CLUSTER	Engineering and Technology Pathway	The major focus of the Introduction to Engineering Design (IED) course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. It allows students to develop strategies to enable and direct their own learning.	Foundations of Engineering and Technology	Engineering Concepts	Engineering Applications	Internship Forsyth	• Civil Engineer • Drafter • Electrical Engineer • Industrial Engineer	• Machinist • Manufacturing • Materials/Mechanical Engineer • Quality Control Inspector
ARTS, ENTERTAINMENT AND DESIGN CLUSTER	Audio/Video Technology and Film Pathway	This pathway teaches all aspects of video production from pre-production, production, and post-production, including theory and practical application. Students will have the opportunity to participate in various types of broadcast/video production from events and commercials to mini-movies and documentaries.	Audio and Video Technology and Film I	Audio and Video Technology and Film II	Audio and Video Technology and Film III	Internship Forsyth	• A/V Equipment Technician • Broadcast News Analyst • Broadcast Technician • Camera Operator	• Control Room Technician • Journalist/Editor/Reporter • Sound Technician • Station Manager
CONSTRUCTION CLUSTER	Carpentry/ Construction Pathway	Construction is one of the nation's largest industries with over 7 million wage and salary jobs and 1.9 million self-employed workers. Construction includes the building of new structures as well as additions and modifications to existing ones. The construction industry also includes maintenance, repair and improvements on these structures.	Industry Fundamentals and Occupational Safety	Introduction to Construction	Carpentry I	Internship Forsyth	• Construction Inspector • Drywall Installer • Electrician • Floor Layer	• Mason • Plumber • Roofer • Sheet Metal Worker
	Heavy Equipment Operations Pathway	The pathway will focus and build on the concepts related to earthmoving as well as reading and using blueprints and specifications related to grading and grade calculations. The pathway provides specific knowledge and skills in operating and maintaining utility tractors and heavy equipment.	Industry Fundamentals and Occupational Safety	Introduction to Heavy Equipment	Heavy Equipment Operations I	Internship Forsyth	• Articulated Truck Operator • Backhoe and Dozer Operator • Forklift Operator • Heavy Equipment Mechanic	• Heavy Equipment Operator • Heavy Equipment Service • Pipe Layer • Plumbing
DIGITAL TECHNOLOGY CLUSTER	Computer Science Pathway	Careers in Computer Science lead individuals to create, modify, and test codes - all while inventing and designing new approaches to computing technology and finding innovative uses for existing technology. Career area focus requires solving complex problems in computing for business, medicine, science, and other fields.	Introduction to Software Technology	Computer Science Principles or AP Computer Science Principles	AP Computer Science A	Internship Forsyth	• Computer Programmers • Computer Hardware Engineers • Computer Network Architects • Computer System Analysts	• Database Administrators • Information Security Analysts • Software Developers • Software Testers
EDUCATION CLUSTER	Early Childhood Education Pathway	Educational services is the second largest industry. This includes education institutions from elementary schools to universities. The overall demand for educational services will increase as growing emphasis on improving education along with retirements will create large numbers of job openings.	Early Childhood Education I	Early Childhood Education II	Early Childhood Education Practicum	Internship Forsyth	• After-School Supervisor • Child Care Director and Owner • Child Care Supervisor • Education Administrator	• Educational and Teacher Aide • Kindergarten Teacher • Preschool Teacher • Special Education Teacher
	Education as a Profession Pathway	Educational services is the second largest industry. This includes education institutions from elementary schools to universities. The overall demand for educational services will increase as growing emphasis on improving education along with retirements will create large numbers of job openings.	Education as a Profession I	Education as a Profession II	Education as a Profession Practicum	Internship Forsyth	• Adult Educator • After-School Supervisor • Educational and Teacher Aide • K-12 School Teacher	• Media Specialist • Post-Secondary Vocational • School Administration • Special Education Teacher
HEALTHCARE AND HUMAN SERVICES CLUSTER	Allied Health and Medicine Pathway	The healthcare industry offers jobs in a variety of establishments: hospitals, nursing and residential care facilities, physicians, dental, and other health practitioners offices, home health care services, outpatient care centers, ambulatory health care services and medical and diagnostic laboratories.	Introduction to Healthcare Science	Essentials of Healthcare	Allied Health and Medicine	Internship Forsyth	• Clinical Laboratory Technician • Medical Doctor • Medical Laboratory Technician • Paramedic	• Pharmacist • Physical Therapist • Radiologic Technologist • Surgical Technologist
	Interiors, Fashion, and Textiles Pathway	Students will learn about colors, textures, furniture, lighting, and space in public and private sectors including offices, airports, theaters, malls, restaurants, hotels, schools, hospitals, and private homes. Students will also learn about designing, planning, managing, building and maintaining the built environment.	Foundations of Interior Design	Fundamentals of Fashion	Textile Science	Internship Forsyth	• Commercial Designer • Computer Aided Drafter (CAD) • Display Designer • Industrial Designer	• Interior Designer • Photographer • Renderer • Set Designer
HOSPITALITY, EVENTS AND TOURISM CLUSTER	Culinary Arts Pathway	Students learn fundamental food preparation terms, concepts, and methods in culinary arts. Fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures.	Introduction to Culinary Arts	Culinary Arts I	Culinary Arts II	Internship Forsyth	• Caterer • Chef and Head Cook • Food Stylist and Photographer • Food Writer and Critic	• Kitchen Manager • Pastry Chef • Personal Chef • Restaurant Entrepreneur
MANAGEMENT AND ENTREPRENEURSHIP CLUSTER	Entrepreneurship Pathway	Entrepreneurs, innovators, and small businesses play a key role in Georgia's economy. Business professionals may be managers, owners, accountants, economists, administrators, or analysts. These individuals must possess excellent communication skills and be able to establish working relationships with many different people.	Introduction to Business and Technology	Legal Environment of Business	Entrepreneurship	Internship Forsyth	• Advertising and Promotion • Business Educator • Chief Executive Officer • Computer Systems Analyst	• Cost Estimator • Database Administrator • Paralegal and Legal Assistant • Personal Financial Advisor
MARKETING AND SALES CLUSTER	Marketing and Management Pathway	Students develop knowledge and skills of marketing (economics, human relations and business basics) and the functional areas of marketing (product and service planning, management, purchasing and pricing, selling and promotion, risk management, financing and distribution), as well as international marketing, management and entrepreneurship.	Marketing Principles	Marketing and Entrepreneurship	Marketing Management	Internship Forsyth	• Advertising Account Executive • Communications Specialist • Customer Service • Entertainment Marketer	• Insurance Agent • Marketing Specialist • Media Buyer • Public Relations Specialist