



WEST FORSYTH HIGH SCHOOL

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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
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	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
FINANCIAL CLUSTER	Financial Services Pathway	This pathway introduces students to the basics of the banking system, bank operating procedures, negotiable instruments, and the deposit and credit functions of banks. Current issues and future trends in banking are examined. Students explore the major functions of bank employees by completing a flow-of-work simulation.	Introduction to Business and Technology	Financial Literacy	Banking, Investing and Insurance	Internship Forsyth	• Accountant • Auditor • Claims Adjuster • Financial Planner	• Insurance Sales Agent • Loan Officer • Salesperson • Tax Associate
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
	Cosmetology Pathway	All participating students are required by the Georgia State Board of Cosmetology to obtain a total of 1500 unit hours to be eligible for both the written and practical state test. Students benefit from the program because it allows the student the opportunity to obtain at least half of the required state board hours.	Introduction to Personal Care Services	Cosmetology Services II	Cosmetology Services III	Internship Forsyth	• Barber Stylist • Color Specialist Chemist • Cosmetologist • Make-up Artist	• Nail Technician • Salon Owner • Shampoo Tech • Wig Stylist
	Nutrition and Food Science Pathway	Employment in this field is expected to grow faster as a result of the increasing emphasis on disease prevention through improved dietary habits. A growing and aging population will increase the demand for meals and nutritional counseling agencies in hospitals, residential care facilities, schools, prisons, community health programs, and home health care.	Food, Nutrition, and Wellness	Food for Life	Food Science	Internship Forsyth	• Chef and Head Cook • Dietitian/Nutritionist • Food Inspector • Food Services Manager	• Geriatric Food Designer • Health Educator • Health Inspector • Nutritionist
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
	Sports and Entertainment Marketing Pathway	Students will master the industry's terminology, market arenas and venues, obtain sponsorships, maintain solid media relations, coordinate and manage campaigns and events, etc. Students have the opportunity to take the MBA Research "A*S*K Marketing Concepts" or the NOCTI "Marketing Education Manager Trainee".	Marketing Principles	Introduction to Sports and Entertainment Marketing	Advanced Sports and Entertainment Marketing	Internship Forsyth	• Event Coordinator • Market Researcher Promoter • Public Relations Salesperson • Social Media Manager	• Sports Agent • Sports Manager • Sports Marketing Professional • Sports Writer
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
	Marketing Communications and Promotions Pathway	Marketing jobs are found in almost every industry. College graduates with related experience, a high level of creativity and strong communication skills will have the best job opportunities. Technology is changing the way we communicate and promote goods and services with potential customers.	Marketing Principles	Promotional and Digital Marketing	Integrated Marketing Communications	Internship Forsyth	• Advertising/Promotions • Brand Ambassador • Green Marketer • Market Research Analyst	• Marketing Manager • Marketing Strategist • Public Relations Specialist • Sales Managers/Representative