



NORTH 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
AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER	Veterinary Science Pathway	Students will learn the major areas of scientific agricultural production and research and learn problem solving lessons, introductory skills, and knowledge in agricultural science and agri-related technologies. This pathway also covers the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care.	Basic Agriculture Science	Animal Science and Biotechnology	Veterinary Science	Internship Forsyth	<ul style="list-style-type: none"> Animal Physical Therapist Animal Welfare/Care Specialist Cell Culture Specialist Companion Animal Breeder <ul style="list-style-type: none"> Dairy Unit Herdsman/Manager Embryo Transfer Technician Veterinarian Veterinary Tech
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER	A/V Technology and Film Pathway	Students will design, manufacture, operate and/or repair audio visual equipment, create presentations of sound, video, and data in a variety of formats, gather information, prepare broadcasts, build sets, and operate equipment used to record and transmit programs and/or motion pictures, and operate sound mixing and/or video editing equipment.	Audio and Video Technology and Film I	Audio and Video Technology and Film II	Audio and Video Technology and Film III	Internship Forsyth	<ul style="list-style-type: none"> A/V Equipment Technician Broadcast News Analyst Broadcast Technician Camera Operator <ul style="list-style-type: none"> Control Room Technician Journalist/Editor/Reporter Sound Technician Station Manager
EDUCATION AND TRAINING CLUSTER	Education as a Profession Pathway	Students will learn to plan, manage, and provide education and training in student learning environments. Students will also learn about administrative roles, teacher training, administrative support, and professional learning services for educators. Through this pathway, students will also be engaged in observations, interactions, and analysis of critical and contemporary educational issues.	Education as a Profession I	Education as a Profession II	Education as a Profession Practicum	Internship Forsyth	<ul style="list-style-type: none"> Adult Educator After-School Program Supervisor Educational and Teacher Aide K-12 School Teacher <ul style="list-style-type: none"> Media Specialist Post-Secondary Vocational School Administration Special Education Teacher
GOVERNMENT AND PUBLIC ADMINISTRATION CLUSTER	JROTC Pathway	Students will learn the foundation for subsequent Leadership Education courses by teaching the basics of leadership, citizenship, personal growth, appearance and responsibility, general Marine Corps knowledge, drill, and physical training. Career awareness is also introduced, along with an emphasis placed on development of leadership skills, citizenship, physical training and drill.	MCJROTC Leadership Education I/II	MCJROTC Leadership Education III/IV	MCJROTC Leadership Education V/VI	MCJROTC Leadership Education VII/VIII	<ul style="list-style-type: none"> Air Traffic Controller Aviation Ordinance Criminal Investigation Flight Crew <ul style="list-style-type: none"> Intelligence Military Police Naval Aviation (Pilot) Transportation Management
HEALTH SCIENCE CLUSTER	Public Health Pathway	Allows students to explore occupations and skill sets in environmental health, community health, epidemiology, disaster management, and geriatrics. Students will gain a deeper understanding of the legal, ethical responsibilities of today's healthcare worker and will have a competitive edge to be the better candidate.	Introduction to Healthcare Science	Essentials of Healthcare	Applications of Public Health	Internship Forsyth	<ul style="list-style-type: none"> Community Health Worker Emergency Management Environmentalist Epidemiologist <ul style="list-style-type: none"> Health Educator Nursing Physician
	Sports Medicine Pathway	Students will learn about the musculoskeletal system, injury assessment, injury prevention, or rehabilitation for careers in sports medicine and rehabilitative services. This pathway enables students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry.	Introduction to Healthcare Science	Essentials of Healthcare	Sports Medicine	Internship Forsyth	<ul style="list-style-type: none"> Athletic Trainer Chiropractor Doctor of Podiatric Medicine Massage Therapist <ul style="list-style-type: none"> Occupational Therapist Orthopedic Doctor Physical Therapy Assistant Radiologist
HUMAN SERVICES CLUSTER	Nutrition and Food Science Pathway	Students will focus on healthy food and lifestyle choices and will investigate the interrelationship of food, nutrition and wellness to promote good health. Students will evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods.	Food, Nutrition, and Wellness	Food for Life	Food Science	Internship Forsyth	<ul style="list-style-type: none"> Food Scientist and Technologist Food Services Manager Geriatric Food Designer Health Educator <ul style="list-style-type: none"> Chef and Head Cook Dietitian/Nutritionist Food Inspector
INFORMATION TECHNOLOGY CLUSTER	Computer Science Pathway	Students will prepare for entry-level, technical, and professional IT careers, including the design, development, implementation, and maintenance of computer systems and software. Students will also gain knowledge of computer operating systems, programming languages, and gain knowledge of required cutting-edge technologies.	Introduction to Software Technology	Computer Science Principles or AP Computer Science Principles	AP Computer Science A	Internship Forsyth	<ul style="list-style-type: none"> Computer Hardware Engineer Computer Programmer Computer System Analyst Database Administrator <ul style="list-style-type: none"> Information Systems Manager Network Administrator Software Developers/Engineer Video Game Designer
	Web Development Pathway	Students develop and design responsive web sites through coding, testing, debugging and implementation of web-based services. This pathway will also allow students to learn about content management systems, client side languages, server side languages, and database concepts.	Introduction to Software Technology	Computer Science Principles	Web Development	Internship Forsyth	<ul style="list-style-type: none"> Computer Specialist Internet Specialist Multimedia Developer Network Analyst/Engineer <ul style="list-style-type: none"> Programmer Video Game Developer Webmaster Website Designer
MARKETING CLUSTER	Marketing and Management Pathway	Students will focus on developing skills in management and entrepreneurship, marketing, buying and merchandising, marketing communications and promotion, professional sales, marketing information management and research, channel management, global marketing, and internet/online marketing.	Marketing Principles	Marketing and Entrepreneurship	Marketing Management	Internship Forsyth	<ul style="list-style-type: none"> Advertising Account Executive Communications Specialist Customer Service Representative Entertainment Marketer <ul style="list-style-type: none"> Insurance Agent Marketing Specialist Media Buyer Public Relations Specialist
	Marketing Communications & Promotions Pathway	Students will focus on the performance of key responsibilities required in a retail environment and develop skills in pricing, visual merchandising, advertising, special promotions, professional sales, and customer service. They will also better understand the communication aspects of business in relation to customer/consumer relationships.	Marketing Principles	Promotional and Digital Marketing	Integrated Marketing Communications	Internship Forsyth	<ul style="list-style-type: none"> Advertising/Promotions Manager Advertising Sales Agent Green Marketer Market Research Analyst <ul style="list-style-type: none"> Marketing Manager Marketing Strategist Public Relations Specialist Sales Managers/Representative
STEM CLUSTER	Engineering and Technology Pathway	Students will combine hands-on projects and rigorous curriculum to be prepared for challenging postsecondary engineering and technology problems; and build solid technical writing, comprehension, calculation, problem-solving, and technical skills. Students are encouraged to take relevant math and science courses.	Foundations of Engineering and Technology	Engineering Concepts	Engineering Applications	Internship Forsyth	<ul style="list-style-type: none"> Civil Engineer Drafter Electrical Engineer Industrial Engineer <ul style="list-style-type: none"> Machinist Manufacturing Materials/Mechanical Engineer Quality Control Inspector