

Career and Technical Education (CTE) is at the forefront of preparing students to be “college- and career-ready” by providing programs through which students acquire core academic skills and knowledge, learn relevant technical applications, and prepare for postsecondary studies and employment opportunities following high school graduation. Career experiences and connections to business through CTE courses allow students to explore multiple career pathways. These courses may lead to industry recognized certifications or state licensure. Students taking certain CTE courses may earn college credit through dual enrollment and articulation agreements with postsecondary institutions. For more information about CTE, please visit <http://www.fcps.edu/is/cte/index.shtml>.

2016-2017 HIGH SCHOOL CTE COURSE OFFERINGS

Business and Information Technology

Accounting (also in the Online Campus)
Business Cooperative Internship
Business Law
Business Management
Business Management – Virtual Enterprise
Design, Multimedia, and Web Technologies
IB Business and Management
Information Systems
Office Administration
Principles of Business
Programming
Web Page Development

Family and Consumer Sciences

Child Development and Parenting
Culinary Arts
Early Childhood Careers
Fitness and Food
Gourmet and International Foods
Introduction to Interior Design
Life Planning
Teachers for Tomorrow

Health and Medical Sciences

See Academy Course Offerings

Marketing

Education for Employment
Entrepreneurship
Fashion Marketing

Marketing (continued)

Global Marketing
Introduction to Marketing
Marketing
Marketing Cooperative Internship
Sports and Entertainment Marketing

Military Sciences

Air Force Junior Reserve Officer Training Corp
Army Junior Reserve Officer Training Corp
Marine Junior Reserve Officer Training Corp
Naval Junior Reserve Officer Training Corp

Technology and Engineering Education

Advanced Drawing
Aerospace Science
Architectural Drawing
Basic Technical Drawing
Design and Technology
Electronics
Engineering Drawing
Geographic Information Systems
IB Design and Technology
STEM Advanced Electronics and Robotics
STEM Advanced Engineering
STEM Engineering

Trade and Industrial

Automotive Technology
Cosmetology
Criminal Justice

2016-2017 MIDDLE SCHOOL CTE COURSE OFFERINGS

Business and Information Technology

Computer Solutions
Digital Input Technologies
Keyboarding

Family and Consumer Sciences

Family and Consumer Sciences 6, 7, and 8

Technology and Engineering Education

Introduction to Technology
Engineering Design and Modeling 7
Engineering Simulation and Fabrication 8



HIGH SCHOOL ACADEMIES AND OTHER SPECIALIZED CTE COURSES

Advanced technical and specialized elective courses are available at High School Academies and other community-based locations. Students enrolling in these courses will be provided with opportunities to participate in shadowing, mentoring, and/or internships with local businesses to further prepare them for college and careers. Transportation may be provided. Refer to course descriptions in the *Standard Course Offerings* for specific information on these specialized courses or visit <http://www.fcps.edu/is/cte/academies.shtml>.

2016-2017 HIGH SCHOOL ACADEMY COURSE OFFERINGS

CHANTILLY ACADEMY – A Governor’s STEM Academy

<http://www.fcps.edu/ChantillyAcademy/>

Air Force JROTC	Cyber: Database Design & Management, Oracle	Exploring Health Sciences
Animal Science	Cyber: Network Administration	Exploring the Language of Medicine
Automotive Collision Service	Cyber: Routing and Switching, Cisco	Geographic Information Systems
Automotive Technology	Dental Careers	Medical Assistant
Carpentry	Early Childhood Careers	Pharmacy Technician
Cosmetology	Engineering Math	Pre-Calculus (Dual Enrollment) with Chantilly Academy course
Criminal Justice	Engineering Physics	STEM Engineering
Culinary Arts	English 12 (Dual Enrollment) with Chantilly Academy course	STEM Robotic Systems
Cyber: Computer Systems Technology A+	Entrepreneurship	Teachers for Tomorrow

EDISON ACADEMY

<http://www.fcps.edu/EdisonAcademy>

Animal Science	Culinary Arts	Electrical Construction & Engineering
Automotive Collision Service	Cyber: Computer Systems Technology A+	Heating, Ventilation, AC, & Refrigeration
Automotive Technology	Cyber: Security+ Capstone	Teachers for Tomorrow
Cosmetology	Cyber: Database Design & Management, Oracle	
Criminal Justice	Cyber: Network Administration	

FAIRFAX ACADEMY

<http://www.fcps.edu/FairfaxAcademy/>

Academy Dance	Fashion Careers	Professional Musical Theatre & Actor’s Studio
Arabic	Hip Hop Dance	Professional Photography Studio
Broadway Dance	Korean	Professional Television Production
Chinese	Music and Computer Technology	Social Media Marketing

FALLS CHURCH ACADEMY – A Governor’s Health Sciences Academy

<http://www.fcps.edu/fallschurchacademy/>

Biotechnology Foundations	Early Childhood Careers	Fire and Emergency Medical Sciences
Criminal Justice	Exploring Health Sciences	Medical Assistant
Dental Careers	Exploring the Language of Medicine	Pharmacy Technician

MARSHALL ACADEMY – A Governor’s STEM Academy

<http://www.fcps.edu/MarshallAcademy/>

Automotive Technology	Culinary Arts	Cyber: Security+ Capstone
Chinese	Cyber: Computer Systems Technology A+	Entrepreneurship
Cosmetology	Cyber: Network Administration	Geographic Information Systems
Criminal Justice	Cyber: Routing and Switching, Cisco	STEM Robotic Systems

WEST POTOMAC ACADEMY – A Governor’s Health Sciences Academy

<http://www.fcps.edu/WestPotomacAcademy/>

Academy Dance	Early Childhood Careers	Medical Assistant
Biotechnology Foundations	Exploring Health Sciences	Music and Computer Technology
Broadway Dance	Exploring the Language of Medicine	Pharmacy Technician
Criminal Justice	Fire and Emergency Medical Sciences	Physical Therapy/Occupational Therapy
Dental Careers	Hip Hop Dance	Professional Television Production

OTHER SPECIALIZED CTE PROGRAMS

CLASSROOM ON THE MALL at Fair Oaks Mall

Fashion Marketing 2
Marketing Management

FAIRFAX COUNTY FIRE AND RESCUE ACADEMY in Fairfax, Virginia

Firefighting

FAIRFAX COUNTY SCHOOL OF PRACTICAL NURSING Plum Center for Lifelong Learning

Practical Nursing

SPRING VILLAGE RESIDENTIAL CONSTRUCTION SITE in Springfield, Virginia

Construction Technologies