

CCS Program of Studies 2023-2024



December 1, 2022

Sum and Substance



- Purpose of the Program of Studies
- School specific changes
- Next Steps

Purpose of the Program of Studies



- Planning of a sequence of academic, career and technical, or other elective courses that incorporate secondary education
- In addition to required courses, this Program of Studies publication contains a complete list of electives that may be offered within Charlottesville City Schools' 6-12 program
- Each school's elective offerings are based on student interest and staffing ability

Walker Upper Elementary School



- No changes for 2023-2024

Buford Middle School



- Career Investigations
 - ▶ Strengthen career-readiness skills by researching and exploring careers, taking personality assessments, and setting career goals
 - ▶ Create strong academic and career plans needed for high school

Buford Middle School



- Photography
 - ▶ Introduce students to the basics of photography, including camera functions and photo composition
 - ▶ Focus on what it takes to create a good photograph and how to improve photographs of animals, people, and vacations
 - ▶ Use of photo-editing software
 - ▶ 1 local elective credit

Buford Middle School



- Culinary Arts
 - ▶ Offered as an elective
 - ▶ Learn to prepare, cook, and serve food
 - ▶ Focus on soups, salads, proteins, grains, vegetables, and desserts

Charlottesville High School



- AP Precalculus
 - ▷ New course offering from AP
 - ▷ Prepare students for Calculus and college level mathematics
 - ▷ Opportunity to earn college credit by passing the AP exam

Charlottesville High School



- Data Science
 - ▷ New math course from VDOE
 - ▷ Explore the intersection of mathematics, statistics, computer science, and information technology
 - ▷ Open to all students in the progression with the prerequisite of Algebra 1

Charlottesville High School



- AP Physics C
 - ▷ Recommending removal from the Program of Studies
 - ▷ Combines two college courses, the tremendous amount of content that must be covered is often difficult to meet in our scheduled class time
- AP Physics II
 - ▷ Add to replace AP Physics C
 - ▷ Increases the accessibility of a terminal physics class
 - ▷ Better transition into college physics
 - ▷ Less units, provides students with a deeper, more complete understanding of physical concepts going forward

Charlottesville High School



- Real Estate
 - ▶ Additional CTE pathway in our Marketing program
 - ▶ Curriculum contains the VDPOR's 60-hour requirement pre-license education (which does not expire)
 - ▶ Piedmont Workforce Network will see a 4% increase in jobs over the next 5 years

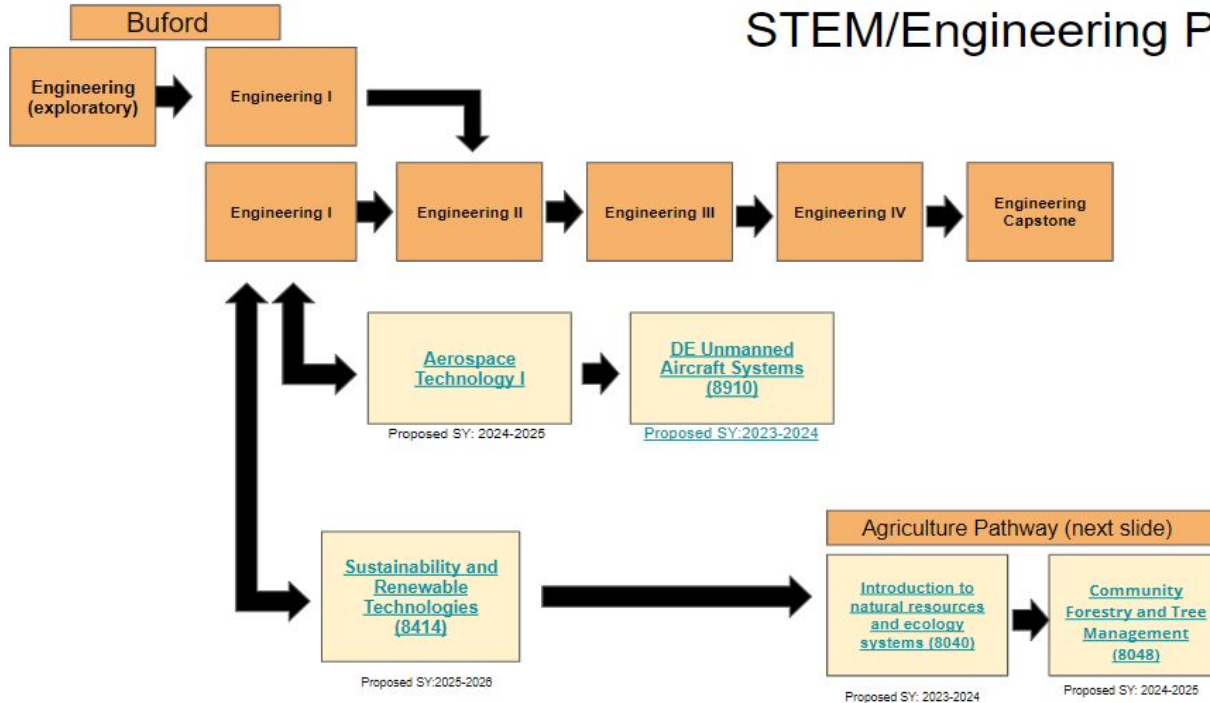
Charlottesville High School



- Unmanned Aircraft Systems
 - ▶ Additional CTE pathway through engineering program
 - ▶ For students interested in aircraft engineering, mechanics, aircraft pilot, and aerospace engineering
 - ▶ Students receive the FAA Part 107 Remote Pilot Certificate
 - ▶ Piedmont Workforce Network will see a 15% increase in jobs over the next 5 years

Charlottesville High School

STEM/Engineering Pathway



Charlottesville High School



- Introduction to Natural Resources and Ecology Systems
 - ▶ Additional CTE pathway in Agriculture Education
 - ▶ Piedmont Workforce Network will see a 15% increase in jobs over the next 5 years
 - ▶ Job opportunities + salary available right after high school with completion of diploma and certifications

Charlottesville High School

Environmental Service Systems		Natural Resources Systems	
Career	Salary Range	Career	Salary Range
Agricultural Products Sales Representative	39K-68K	Arborist	76K+
Environmental Compliance Inspector	40K-70K	Fish and Game Officer	52K+
Environmental Sampling and Analysis Technician	48K-60K	Fisheries Technician	40K+
Toxicologist	35K-45K	Forester	60K+
Turf Farmer	40K-55K	Forest Technician	45K+
Water Conservationist	48K-70K	Logging Equipment Operator	40K+
		Outdoor Recreation Guide	40K+
		Park Manager	55K+

Charlottesville High School



- Cybersecurity Fundamentals
 - ▶ Additional CTE pathway in Computer Science
 - ▶ Three CompTIA industry certifications offered in program
 - ▶ Piedmont Workforce Network will see a 13% increase in job openings over the next 5 years

Charlottesville High School



- Music Production & Recording
 - ▷ Beginning music course
 - ▷ Students explore beat making, music production, technology, as well as careers in the music industry

Charlottesville High School



- Mandarin 4
 - ▶ Will support students as they continue building the language knowledge and skills needed for CHS's AP Mandarin course
 - ▶ In alignment with the other World Language course sequences at CHS
 - ▶ Spanish, Latin, German, and French all have level 4 courses

Lugo-McGinness Academy



- No changes for 2023-2024

Charlottesville Albemarle Technical Education Center (CATEC)



- EMT and Vet Science will be strictly DE
- Add DE English 12 option
- Add Algebra III option

Next Steps



- Questions / Comments
- Board review
- Board approval of changes at the January School Board meeting

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