

CAREER ACADEMY QUICK REFERENCE

For required academy coursework, see HCPSS *Catalog of Approved High School Courses*

Academy/Completer	Prereqs./Coreqs.	Academy Certificate Requirements	Recommended Electives	Worksite Req.
Academy of Finance	Algebra I	C average in academy courses	World Language	Senior year, Periods 4B, 5, 6
Academy of Health Professions with pathways in: Clinical Research in Allied Health, Certified Nursing Assistant, Emergency Medical Technician	All pathways: Algebra I Biology Certified Nursing Assistant: C average in both Algebra and Biology Emergency Medical Technician: Interview w/EMT instructor Physical examination	All pathways: C average in academy courses Certified Nursing Assistant: Complete clinical experience Emergency Medical Technician: Complete 165 hours content level class work and clinical experience	Chemistry Anatomy and Physiology Biology - AP	Clinical Research in Allied Health: Senior year, Periods 4B, 5, 6 Certified Nursing Assistant: Spring, weekends- 60 hrs. Emergency Medical Technician: Spring - 10 clinical hours and 5 pre-hospital calls
Accounting	Algebra I	C average in academy courses	Microeconomics/Macroeconomics- AP, Business Calculus – G/T, Principles of Marketing - Honors	None
Aerospace Engineering: Project Lead the Way (PLTW)	Concurrent enrollment in Geometry	C average in academy courses	World Language, Physics, Chemistry	None
Architectural Design	Algebra I	C average in academy courses	World Language, Physics, Chemistry	Senior year, Periods 4B, 5, 6
Automotive Technology		C average in academy courses	World Language, Algebra II	40 clock hours of work-based learning experience in a certified automotive facility summer prior to the senior year
Biotechnology	Biology Corequisites – Algebra II & Chemistry	C average in academy courses	AP Biology, AP Chemistry, advanced mathematics, World Language	Senior year, Periods 4B, 5, 6
Career Research & Development (CRD)			Principles of Business and Management	Senior year 2-4 credits
Child Development	Recommended - Work experience with children	C average in academy courses, Portfolio	Spanish I and II, Art I, additional Fine Arts	Senior year 1-3 credits
Cybersecurity Networking	Algebra I	C average in academy courses		None
Computer Programming	Algebra I	C average in academy courses	Calculus AB-AP, Statistics – AP, Principles of Accounting and Finance - Honors	None
Construction Management		C average in academy courses	World Language	Senior year, Periods 4B, 5, 6
Culinary Science	Recommended -Work experience in food service or hospitality	C average in academy courses	CRD I, World Language - Spanish	Summer & after school - 400 hrs. mentored industry experience
Engineering: <i>Project Lead The Way</i>	Algebra I	C average in academy courses	World Language, Physics, Chemistry	None
Homeland Security & Emergency Management		C average in academy courses	World Language	Senior year, Periods 4B, 5, 6
Hotel & Restaurant Management	Recommended - Work experience in food service or hospitality	C average in academy courses	Business elective, Spanish I and II	Summer & after school - 400 hrs. mentored industry experience in lodging industry. No credit
Marketing	Algebra I	C average in academy courses	Microeconomics/Macroeconomics- AP, Statistics - AP, Advanced Accounting and Finance - Honors	None
Systems and Project Engineering		C average in academy courses	World Language	Senior year, Periods 4B, 5, 6
Teacher Academy of Maryland	Recommended -Work experience with children	C average in academy courses Portfolio	World Language – Spanish, additional courses in area of teaching interest	Senior year 1-3 credits
Visual Communications with pathways in Graphic Design and Animation	Art I	C average in academy courses	Algebra II, Art II, World Language	Senior year, Periods 4B, 5, 6 (Graphic Design only)