

Career Technology Education

The following programs are offered at each of the four home high schools:

Program	Course Number	Course Name	Credits
Academy of Finance	5000	Principles of Business Administration and Management	1
	5050	Principles of Accounting	1
	5070	Principles of Finance / Financial Planning	1
	5080	Economics	1
	5179	OR AP Microeconomics	
	5081	Internship Required	0
Accounting	5000	Principles of Business Administration and Management	1
	5050	Principles of Accounting	1
	5060	Advanced Accounting	1
	5067 5179	Business Capstone – Accounting OR AP Microeconomics OR Dual Enrollment	1
Business Administrative Services	5000	Principles of Business Administration and Management	1
	5050	Principles of Accounting	1
	5030	Office Systems Management (Word/PowerPoint)	1
	5100	Office Systems Management (Excel/Access)	1
Business Management	5000	Principles of Business Administration and Management	1
	5050	Principles of Accounting	1
	5160	Advanced Business Management	1
	5167	Business Capstone – Business Management	1
	5179	OR AP Microeconomics OR Dual Enrollment	
Career Research and Development	8650	Career Research Development	1
	8660	Career Research Development Seminar	1
	8670	Work-Based Learning Experience	2
Computer Science	3505	Foundations of Computer Science	1
	3506	AP Computer Science Principles	1
	3511	App Development	1
	3519	AP Computer Science Coding OR Dual Enrollment (see 3519 for info)	1
Criminal Justice / Law Enforcement	2600	American Criminal Justice System	1
	2610	Juvenile Justice	1
	2620	Criminal Law	1
	2630	Criminal Investigation	2
Curriculum for Agricultural Science Education (CASE) (CHS only)	8035	Intro. to Agriculture, Food, and Natural Resources (AFNR)	1
	8036	Principles of Agricultural Science – Animal (ASA)	1
	8037	Animal and Plant Biotechnology	1
	8038	Agricultural Business, Research, and Development	1
Project Lead the Way – Biomedical Sciences	8025	Principles of Biomedical Sciences	1
	8026	Human Body Systems	1
	8027	Medical Interventions	1
	8028	Biomedical Innovation	1
Project Lead the Way – Pathway to Engineering	8005	Introduction to Engineering Design (Prerequisite course)	1
	8006	Principles of Engineering	1
	8007	Digital Electronics	1
	8008	Aerospace Engineering	1
	8011	OR Civil Engineering and Architecture	
	8009	Engineering Design and Development	1
Teacher Academy of Maryland (TAM)	5500	Human Growth and Development through Adolescence	1
	5510	Teaching as a Profession	1
	5520	Foundations of Curriculum and Instruction	1
	5530	Education Academy Internship	1

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The following programs are offered at the Career and Technology Academy (CTA):

Program	Course Number	Course Name	Credits
Academy of Health Professions	8061	Academy of Health Professions I	2
	8071 8072	Academy of Health Professions II Track A OR Academy of Health Professions II Track B	3
Auto Mechanics – Service Tech.	8941	Service Technician I	2
	8951	Service Technician II	3
Carpentry	8271	Carpentry I	2
	8281	Carpentry II	3
CISCO Networking Academy	8441	PC Troubleshooting and Introduction to Network Engineering	2
	Choose one of the following courses:		
	8451	Advanced Network Engineering	3
	8452	Cyber Security and Network Engineering	3
Cosmetology	8360	Cosmetology I	3
	8371	Cosmetology II	3
Culinary Arts	8511	Food Production and Management I	2
	8521	Food Production and Management II	3
Electricity	8411	Electricity I	2
	8421	Electricity II	3
Firefighter/Emergency Medical Tech	8994	Fire and Rescue I	3
	8997	Fire and Rescue II	3
Graphic Arts	8611	Graphic Arts I	2
	8621	Graphic Arts II	3
Home Improvement	8871	Home Improvement I	2
	8881	Home Improvement II	3
Plumbing, Heating, Ventilation, and Air Conditioning	8124	Heating, Ventilation, and Air Conditioning I	2
	8125	Heating, Ventilation, and Air Conditioning II	3
Welding	8911	Welding I	2
	8921	Welding II	3