

Home School CTE Academy Course Sequences For Students Completing the Academy

**Apprenticeship Maryland Academy (4 credits)**

<b>12th</b>
Apprenticeship Industry Instruction (1 credit)
Apprenticeship Work-Based Learning (3 credits)

**Accounting Academy (3 credits)**

9th	10th	11th	12th
*POBM G/T	Principles of Accounting and Finance (Accounting 1) - Honors	<i>Advanced Accounting and Finance (Adv. Accounting) - Honors</i>	Elective, Business Class, or Apprenticeship
	Principles of Business Management (POBM) G/T - CC	Accounting 1 - H	<i>Adv. Accounting - Honors</i>
	Accounting 1 - Honors	POBM G/T - CC	<i>Adv. Accounting - Honors</i>
		POBM G/T - CC <b>and</b> Accounting 1 - H	<i>Adv. Accounting - Honors</i>

\* If they took their CSET credit in MS and have Algebra I

**Business Management Academy (3 credits)**

9th	10th	11th	12th
*POBM G/T	Principles of Accounting and Finance (Accounting 1) - Honors	<i>Advanced Business (Adv. Business) Management - Honors</i>	Elective, other Business Class, or Apprenticeship
	POBM G/T - CC	Accounting 1 - Honors	<i>Adv. Business - Honors</i>
	Accounting 1 - Honors	POBM G/T - CC	<i>Adv. Business - Honors</i>
		POBM - CC <b>and</b> Accounting 1- Honors	<i>Adv. Business - Honors</i>

\* If they took their CSET credit in MS and have Algebra I

Computer Science, Engineering, and Technology (CSET) Graduation Credit required for all students.

*Italics* - concentrator / completer

Home School CTE Academy Course Sequences For Students Completing the Academy

**Computer Programming Academy (3 credits)**

9th	10th	11th	12th
*Programming Fundamentals G/T (IT Specialist - Java / Python IRC)	AP Computer Science A	<i>Advanced Object Oriented Design G/T</i>	Elective (Advanced Topics or PLTW DE) or Apprenticeship
Any CSET Credit	Programming Fundamentals G/T (IT Specialist - Java / Python IRC)	AP Computer Science A	<i>Advanced Object Oriented Design G/T</i>

\* If they took their CSET credit in MS and have Algebra I

**Career Research and Development (3 credits)**

9th	10th	11th	12th
	CRD 1		CRD 2 and <i>Site Based Work Experience or Apprenticeship</i>
		CRD 1	CRD 2 and <i>Site Based Work Experience or Apprenticeship</i>

**Computer Science Academy (3 credits)**

9th	10th	11th	12th
Computer Science Principles AP	AP Computer Science A (with teacher approval)	Advanced Object Oriented Design G/T	<i>Advanced Topics in Computer Science G/T</i>

**Culinary Science (3 credits)**

9th	10th	11th	12th
Food and Nutrition Technology (Foods)	Culinary Science (ServSafe Food Manager IRC)	<i>Advanced Culinary Science</i>	Field Experience in Culinary Science (ProStart IRC)
Prerequisite for Culinary Science I	Foods	Culinary Science (ServSafe Food Manager IRC)	<i>Advanced Culinary Science</i> and Field Experience (ProStart IRC)

Computer Science, Engineering, and Technology (CSET) Graduation Credit required for all students.

*Italics* - concentrator / completer

Home School CTE Academy Course Sequences For Students Completing the Academy

**Marketing Academy (3 credits)**

9th	10th	11th	12th
*POBM G/T	Principles of Accounting and Finance (Accounting 1) - Honors	<i>Principles of Marketing (Marketing) - Honors</i>	Elective, Business Class, or Apprenticeship
	Principles of Business Management (POBM) G/T - CC	Accounting 1 - Honors	<i>Marketing - Hon</i>
	Accounting 1 - Honors	POBM G/T - CC	<i>Marketing - Hon</i>
		POBM G/T - CC <b>and</b> Accounting 1 - H	<i>Marketing - Hon</i>

\* If they took their CSET credit in MS and have Algebra I

**Marketing can be taken as an elective without POBM or Accounting**

**Engineering (PLTW) (3 credits)**

Starting SY 24 - 25 students will be able to choose between DE and CIM to make PLTW a 3 credit pathway.

9th	10th	11th	12th
PLTW Introduction to Engineering Design (IED) G/T (CSET) <i>(Fusion 360 IRC)</i>	PLTW Principles of Engineering (POE) G/T	(Concentrator) PLTW Computer Integrated Manufacturing (CIM) G/T OR PLTW *Digital Electronics (DE) G/T	(Completer) PLTW Engineering Design and Development (EDD) G/T
PLTW IED G/T <i>(Fusion 360 IRC)</i>	PLTW Computer Integrated Manufacturing (CIM) G/T OR PLTW *Digital Electronics (DE) G/T	(Concentrator) PLTW POE G/T	(Completer) PLTW EDD G/T
	PLTW Introduction to Engineering Design G/T <i>(Fusion 360 IRC)</i>	PLTW POE G/T And (Concentrator) PLTW CIM G/T or PLTW DE G/T	(Completer) PLTW EDD G/T

\*Complete Algebra II prior to enrolling

Computer Science, Engineering, and Technology (CSET) Graduation Credit required for all students.

*Italics* - concentrator / completer

Home School CTE Academy Course Sequences For Students Completing the Academy

**Teacher Academy of Maryland (4 credits)**

**There are many possible sequences for TAM, these are just a few.**

For the TAM academy students who are interested in the **traditional pathway K - 12 education** need:

- \*Teaching as a Profession (\*Required for all Teacher Academy of Maryland students)
- \*\*Human Growth and Development (\*\*Prerequisite for Field Experience and CDA)
- Foundations of Curriculum and Instruction (10th - 12th grade)
- Field Experience in Education (Teacher Academy) (12th grade)

9th	10th	11th	12th	Possible Elective
*Teaching As a Profession (TAP) G/T - CC	Foundations of Curriculum and Instruction (Foundations) (10th - 12th)	**Human Growth and Development (Human Growth) G/T - CC (ParaPro IRC)	Field Experience (Field Experience) in Education (Teacher Academy) G/T	Child Development Associate Portfolio and Internship (CDA) GT (CDA IRC) (11th grade)
*Teaching as a Profession (TAP) G/T - CC	**Human Growth G/T - CC (ParaPro IRC)	Foundations	Field Experience G/T	CDA G/T (CDA IRC)
	*TAP G/T - CC and Foundations ← →	**Human Growth G/T - CC (ParaPro IRC)	Field Experience G/T	CDA G/T (CDA IRC)

If students want to work in a **pre- K setting / daycare** they will complete the Child Development Associate Portfolio and Internship (CDA) course in 11th grade.

9th	10th	11th	12th	Possible Elective
*TAP G/T - CC (ParaPro IRC)	** Human Growth G/T	Child Development Associate Portfolio and Internship (CDA) G/T (CDA IRC) (11th grade)	Field Experience G/T	Foundations
	**Human Growth G/T (ParaPro IRC) and *TAP G/T - CC	CDA G/T (CDA IRC)	Field Experience G/T	Foundations

Computer Science, Engineering, and Technology (CSET) Graduation Credit required for all students.

*Italics* - concentrator / completer