

Cluster:	Engineering, Mechanical and Information Technologies	Pathway:	Heating, Ventilation, and Air Conditioning
-----------------	---	-----------------	---

Centers of Applied Technology Tech Prep Completer
Check your school's course offerings

Graduation Requirements	Grade 9	Grade 10	Grade 11	Grade 12
English - 4	English 9	English 10	AP English Language Or English 11	AP English Literature or English 12
Social Studies - 3	US Government	AP European History or World Civilizations	AP US History or US History	AP US Government or AP Economics or other Social Studies Elective
Mathematics – 3/4 (Choose a sequence)	Geometry or Algebra I	Algebra II or Geometry	Pre-Calculus or Algebra II	AP Calculus or Pre-Calculus or Math Elective
Science - 3	Biology	Chemistry or Earth, Space Science	Physics or Chemistry or Physical Science or AP Elective	AP Science or Other Science Elective
Physical Education - .5/1	.5 PE	.5 Health	.5 PE	
Health Education - .5				
Fine Arts - 1	.5 Fine Arts	.5 Fine Arts		
Technology Education - 1	.5 Fundamentals of Technology .5 Foundations of Technology			
Dual Completer Foreign Language - 2	Foreign Language	Foreign Language		
Suggested Electives	.5 Intro to Computers	1. Drafting or 1. Electricity		Professional Career Internship
CTE Completer Program – 4		1. HVAC I	2. HVAC II 1. Applied Math 1. Applied Science	4. HVAC III or 4. Work Based Learning

Examples of careers students are preparing to enter: Heating and air conditioning contractor, construction contractor, etc.
<http://www.aacps.org/aacps/boe/commu/slc/engineering.htm>

Sample Two Year College Program Sequence

Articulation with CCBC – Dundalk <http://www.ccbcmd.edu/catalog/index.html>. For options at Anne Arundel Community College, see <http://www.aacc.edu/catalog/> Certified trade programs or apprenticeships available at a variety of institutions.

Semester 1	Semester 2
English Humanities Science Mathematics Class to satisfy Diversity requirement	English Science Humanities Fitness/Wellness Social/Behavioral Science
Semester 3	Semester 4
Computer Technology or Mathematics Social/Behavioral Science Electives related to major	Electives related to major