

Cluster:	Engineering, Mechanical and Information Technologies		Pathway:	Precision Machining	
<b>Centers of Applied Technology Career Completer</b> <i>Check your school's course offerings</i>					
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 Health Education - .5	.5 PE	.5 Health			
Fine Arts - 1	.5 Fine Arts	.5 Fine Arts			
Technology Education - 1	.5 Fundamentals of Technology	.5 Production Systems			
Dual Completer Foreign Language - 2	Foreign Language	Foreign Language			
Suggested Electives		1. Drafting I 1. Welding I			
<b>CTE Completer Program – 4</b>		1. Precision Machining I	2. Precision Machining II 1. Applied Math 1. Applied Science	4. Precision Machining III or 4. Work Based Learning	
Examples of careers students are preparing to enter: machinist, tool and dye maker, production coordinator. <a href="http://www.aacps.org/aacps/boe/commu/slc/engineering.htm">http://www.aacps.org/aacps/boe/commu/slc/engineering.htm</a>					
<b>Sample Two Year College Program Sequence</b>					
Certified trade programs or apprenticeships available at a variety of institutions. Articulated credit with CCBC <a href="http://www.cbcmd.edu/catalog/index.html">http://www.cbcmd.edu/catalog/index.html</a> For options at Anne Arundel Community College, see <a href="http://www.aacc.edu/catalog/">http://www.aacc.edu/catalog/</a>					
<b>Semester 1</b>			<b>Semester 2</b>		
English Humanities Science Mathematics Class to satisfy Diversity requirement			English Science Humanities Fitness/Wellness Social/Behavioral Science		
<b>Semester 3</b>			<b>Semester 4</b>		
Computer Technology or Mathematics Social/Behavioral Science Electives related to major			Electives related to major		