

<b>Cluster:</b>	<b>Engineering, Mechanical, and Information Technologies</b>	<b>Pathway:</b>	<b>Aviation and Aerospace Technology</b>
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**High School Program Career Completer**

*Check your school's course offerings*

<b>Graduation Requirements</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
<b>English - 4</b>	English 9	English 10	AP English Language Or English 11	AP English Literature or English 12
<b>Social Studies - 3</b>	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
<b>Mathematics – 3/4 (Choose a sequence)</b>	Geometry or Algebra I	Algebra II or Geometry	Pre-Calculus or Algebra II	AP Calculus or Pre-Calculus or Math Elective
<b>Science - 3</b>	Biology	Chemistry or Earth, Space Science	Physics or Chemistry or Physical Science or AP Elective	AP Science or Other Science Elective
<b>Phys. Education - .5/1</b>	.5 PE	.5 Health	.5 PE	
<b>Health Education - .5</b>				
<b>Fine Arts - 1</b>	.5 Fine Arts	.5 Fine Arts		
<b>Technology Education - 1</b>	Keyboarding .5	Technology & Information Literacy .5		Networking Applications (2)
<b>Foreign Language - 2 and/or Adv.Tech - 2</b>	Language Spanish I	Language Spanish II		
<b>Suggested Electives</b>				
<b>CTE Completer Program – 4</b>	Introduction to Technology (.5)	Drafting & Design (.5)	Power, Energy & Transportation (1) Aviation and Aerospace (1)	Aviation and Aerospace Technology Internship (1)

Examples of careers students are preparing to enter: aerospace engineer, aviation engineer, pilot, airplane design, etc.  
<http://www.aacps.org/aacps/boe/commu/slc/engineering.htm>

**Sample Two Year College Program Sequence**

Community college's Engineering Program for the Associate of Science degree- 66 credits required- Upon completion of the Engineering curriculum, students need to transfer to a B.S. degree program in engineering. Students interested in piloting will also need to complete appropriate training course to earn pilot's license. Articulated credit is awarded to high school students who complete the five-course PLTW program sequence. <http://www.aacc.edu/catalog/>

<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