

Cluster:	Engineering, Mechanical and Information Technologies		Pathway:	Computer Networking Applications Technology	
Centers of Applied Technology Career & Tech Prep Completer <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	.5 PE		
Fine Arts - 1	.5 Fine Arts	.5 Fine Arts			
Technology Education - 1	.5 Keyboarding .5 Intro to Computers				
Dual Completer Foreign Language - 2	Foreign Language	Foreign Language			
Suggested Electives		.5 Intro to Programming Languages	1. AP Computer Science	Professional Career Internship	
CTE Completer Program – 4			2. Network Applications I	1. Network Apps 1I 1. Applied Math 1. Applied Science	
Examples of careers students are preparing to enter: Install, repair, and administering computer networks, etc. http://www.aacps.org/aacps/boe/commu/slc/engineering.htm					
Sample Two Year College Program Sequence					
For options at Anne Arundel Community College, see http://www.aacc.edu/catalog/ and http://www.aacc.edu/cis/					
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		