

Cluster:	Engineering, Mechanical and Information Technologies	Pathway:	Drafting Computer Aided Design (CAD)
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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 Health Education - .5	.5 PE	.5 Health	.5 PE	
Fine Arts - 1	.5 Fine Arts	.5 Fine Arts		
Technology Education - 1	.5 Fundamentals of Technology .5 Foundations of Technology	.5 Architectural Drawing I		
Dual Completer Foreign Language - 2	Foreign Language	Foreign Language		
Suggested Electives	.5 Keyboarding	.5 Intro to Computers	.5 Communications Technology I	Professional Career Internship
CTE Completer Program – 4		1. Drafting / CAD I	3. Drafting / CAD II 1. Applied Math	4. Drafting / CAD III or 4. Work Based Learning

Examples of careers students are preparing to enter: Architectural designer, construction manager, CAD operator, estimator, manufacturer's representative, architectural drafter, specifications writer.

<http://www.aacps.org/aacps/boe/commu/slc/engineering.htm>

Sample Two Year College Program Sequence

This Tech Prep Program connects with the Drafting/CAD programs at Anne Arundel Community College. A student could earn college credit while in high school. <http://cf.aacc.edu/architecture>

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