

Clovis North: Software and Systems Development - Program of Study

This Program of Study should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

Industry Sector:	Information and Communication Technologies
Career Pathway:	Software and Systems Development

Note: All courses are subject to change. Always see a counselor for advising.

LEVELS	GRADE	Career Technical Education Courses	English/ Language Arts	Math	Science	Social Studies	Other Required Courses or Recommended Electives	SAMPLE Occupations Relating to this Pathway
SECONDARY	7	Computer Applications or Robotics						Occupations Requiring Less Than a Baccalaureate Degree ▶ Software technician
	8	Computer Applications or Robotics						
	9	Exploring Computer Science	English 9 Honors English 9	Math 1 Math 2 Math 2 Honors	Science 1 Health Biology Honors Biology		Physical Education Fine Art Foreign Language 1	
	9	Computer Aided Design and Engineering	English 9 Honors English 9	Math 2 Math 2 Honors	Health Biology Honors Biology		Physical Education Fine Art Foreign Language 1	
	10	Computer Aided Design and Engineering	English 10 Honors English 10	Math 2 Math 2 Honors Math 3 Math 3 Honors	Biology Honors Biology Chemistry Honors Chemistry Anatomy AP Bio	World History AP World History	Physical Education Fine Art Foreign Language 1 or 2	
	10	Exploring Computer Science	English 10 Honors English 10	Math 2 Math 2 Honors Math 3 Math 3 Honors	Biology Honors Biology Chemistry Honors Chemistry Anatomy AP Bio	World History AP World History	Physical Education Fine Art Foreign Language 1 or 2	
	10	AP Computer Science Principles	English 10 Honors English 10	Math 2 Math 2 Honors Math 3 Math 3 Honors	Biology Honors Biology Chemistry Honors Chemistry Anatomy AP Bio	World History AP World History	Physical Education Fine Art Foreign Language 1 or 2	

11	Computer Aided Design and Engineering	English 11 AP Comp	Math 3 Math 3 Honors Statistics AP Calculus AP Stats Advanced Math	Chemistry Honors Chemistry Anatomy Physics AP Physics AP Chemistry AP Bio AP Environmental	U.S. History AP US History Psychology/Sociology AP Psychology	Physical Education Fine Art Foreign Language 1 or 2, or 3, or AP
11	AP Computer Science Principles	English 11 AP Comp	Math 3 Math 3 Honors Statistics AP Calculus AP Stats Advanced Math	Chemistry Honors Chemistry Anatomy Physics AP Physics AP Chemistry AP Bio AP Environmental	U.S. History AP US History Psychology/Sociology AP Psychology	Physical Education Fine Art Foreign Language 1 or 2, or 3, or AP
11	AP Computer Science	English 11 AP Comp	Math 3 Math 3 Honors Statistics AP Calculus AP Stats Advanced Math	Chemistry Honors Chemistry Anatomy Physics AP Physics AP Chemistry AP Bio AP Environmental	U.S. History AP US History Psychology/Sociology AP Psychology	Physical Education Fine Art Foreign Language 1 or 2, or 3, or AP
12	Computer Aided Design and Engineering	ERWC AP Lit Bibile Lit/ Contemporary Issues	Math 3 Math 3 Honors Statistics AP Calculus AP Stats Advanced Math	Anatomy Physics AP Physics AP Chemistry AP Bio AP Environmental	U.S. Government Economics AP U.S. Government AP Economics AP Psychology	Physical Education Fine Art Foreign Language 2, or 3, or AP Introduction to Engineering
12	AP Computer Science Principles	ERWC AP Lit Bibile Lit/ Contemporary Issues	Math 3 Math 3 Honors Statistics AP Calculus AP Stats Advanced Math	Anatomy Physics AP Physics AP Chemistry AP Bio AP Environmental	U.S. Government Economics AP U.S. Government AP Economics AP Psychology	Physical Education Fine Art Foreign Language 2, or 3, or AP Introduction to Engineering

	12	AP Computer Science	ERWC AP Lit Bibile Lit/ Contemporary Issues	Math 3 AP Stats AP Calculus	Anatomy Physics AP Physics AP Chemistry AP Bio AP Environmental	U.S. Government Economics AP U.S. Government AP Economics AP Psychology	Physical Education Fine Art Foreign Language 2, or 3, or AP Introduction to Engineering	Baccalaureate Degree <ul style="list-style-type: none"> Software Developer
POST-SECONDARY	13							Industry recognized certifications; licenses or credentials related to this pathway. <ul style="list-style-type: none"> ▶ ▶ ▶
	14		▶					
	Year 15							
Year 16								▶