

# Industry Sector: Building Trades & Construction

PATHWAY: Construction



## California Program of Study - Santa Clara Unified School District @ Santa Clara High School

Level	Grade	ELA	Math	Social Studies	Science	CTE Courses	Other Required Courses or Recommended Electives		Sample occupations relating to this pathway (inc. SOC code)
MIDDLE SCHOOL	7	English 7	Pre-Algebra	History 7	Science 7	Construction	Elective	PE	<b>Occupations requiring a high school diploma:</b> Taper 47-2082.00 Drywall & Ceiling Tile Installers 47-2081.00 Carpenter Helpers 47-3012.00
	8	English 8	Algebra 1	History 8	Science 8	Construction	Elective	PE	
SECONDARY	9	*English 9 (10.0)	*Geometry (10.0) or H Geom Yr. 1	Ethnic Studies (5)	*Marine Bio or Bio (10.0) Yr. 1	Construction 1	*World Language (10.0) Yr. 1 , Health (5)	*PE (10.0) Yr. 1	<b>Occupations requiring some post-secondary:</b> Pipefitters & Steamfitters w/OJT 47-2152.01 Electricians 47-2111.00  <b>Occupations requiring a 2 year degree:</b> Millwrights 49-9044.00 Crane & Tower Operators 53-7021.00  <b>Occupations requiring a BA/BS degree:</b> Construction Managers 11-9021.00 Construction & Building Inspectors 47-4011.00 Cost Estimators 13-1051.00
	10	*English 10 (10.0)	*Algebra 2 or Alg 2 H (10.0) Yr. 2	*World History or AP Euro (10.0) Yr. 1	*Chemistry or H Chem or H Physio or *Physics (10.0) Yr. 2	Construction 1 or Construction 2	World Language (10.0) Yr. 2	*PE (10.0) Yr. 2	
	11	*English 11 (10.0)	Trig/PreCalc or Trig/PreCalc H	*US History (10.0) or AP US Yr. 2	H Physio or AP Bio or AP Chem or AP Physics 1 (10.0)	Construction 1 or Construction 2	*VAPA Elective & Practical Arts (15.0)	*PE/Health (5)	
	12	*English 12 (10.0)	Cal AB or AP Calc AB or AP Calc BC	*Civics (5.0) Econ (5.0) or AP Civics or AP Econ Yr. 3	H Physio or AP Bio or AP Chem or AP Physics 1 (10.0) <i>*10 units in Life and Physical Science</i>	Construction 2	*Other Electives (70.0) any amount taken above the required amount		
POSTSECONDARY	Construction 1 is a dual enrollment class that earns college credit								<b>Industry recognized certifications, licenses, credentials or apprenticeships related to this pathway.</b>  OSHA NCCER Construction Management Certification  <b>Suggested Majors:</b>  Construction Management
	13	AREA 1 - ENGLISH COMMUNICATION CSU: (9 units; 1 course from 1A, 1B and 1C) UC: (6 units; 1 course from 1A and 1B)	AREA 2 - MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING (3 units; 1 course from 2A)	AREA 4 - SOCIAL SCIENCE & BEHAVIORAL SCIENCES (9 units; 3 courses from 2 different disciplines)  AMERICAN INSTITUTIONS REQUIREMENT CSU only; 1 course	AREA 5 - PHYSICAL & BIOLOGICAL SCIENCES (7-9 units; 1 physical & 1 life science - 1 course MUST include a laboratory)	AREA 6 - LANGUAGES OTHER THAN ENGLISH UC only: 1 course or two year of HS, or by exam or verified competency by faculty)	AREA 3 - ARTS & HUMANITIES (9 units; 1 course from 3A, 1 course from 3B and 1 additional from either)	NONE	
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	15	UC/CSU/Private University IGETC transfer					<i>*An associates degree requires a minimum of 60 units. After completing all Major and GE requirements some students may need additional elective units to fulfill this requirement.</i>		
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Middle School: Buchser MS, Cabrillo MS, Don Callejon School, and Peterson MS

High School: Santa Clara High School

Community College: San Jose City College

College/University: UC Davis - Extension

Required Courses (\*Required for HS graduation)

Career Technical Education Courses

\*Other Required Courses and Recommended Electives

Dual/Concurrent Enrollment-Articulated Courses