



SDCCD and SDUSD High Schools

Building Trades and Construction Industry Sectors

The recommended pathways below are for informational purposes only. The appropriate Counselor at each institution must be consulted for proper guidance on the recommended pathways.

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	Other Courses and Other H.S. CTE Electives	CAREER AND TECHNICAL EDUCATION COURSES RECOMMENDED ELECTIVE COURSES COLLEGE - PREP FOR MAJOR COURSES (Choose One Pathway Below)		
							Engineering & Heavy Construction Career Pathway	Residential & Commercial Construction Career Pathway	
4x4 High School	9	English 1,2	Algebra 1,2		Career & Life Management 1,2	Construction Technology	Computer Applications in Business 1,2 (TP Credit: SDCCD CBTE 103, CBTE 120 = up to 5 units total)	Computer Applications in Business 1,2 (TP Credit: SDCCD CBTE 103, CBTE 120 = up to 5 units total)	
	10	English 3,4 or Advanced Eng. 3,4 and AVID	Intermediate Algebra	Physics 1,2	World History	Architectural Drafting 1,2,3,4	Construction Technology 1,2,3,4		
	11	American Lit. (1 sem.) or AP English (1 year)	Geometry 1,2	Biology	US History		Computer Aided Design/Architecture 1,2	Computer Aided Design/Architecture 1,2	
	Junior Year - Assess college English and math readiness								
	*Prerequisite courses for College level English/math (i.e. ENG 101/ Math 96) may be necessary depending on assesment level								
12	World Literature or English Lit. (1 sem) or AP English (1 yr.)	Pre-Calculus or Calculus		American Gov. (1 sem.) & Economics (1 sem)	ROP General Construction and/or ROP Cabinetmaking	ROP Computer Aided Drafting (TP credit w/ SDCCD ARCH 100, ARCH 105 = up to 4 units total) &/or ROP Machine Tool Technology (TP Credit: SDCCD MACT 140 = 4 units)	ROP Computer Aided Drafting (TP Credit: SDCCD ARCH 100, ARCH 105 = up to 4 units total)		
City, Mesa, Miramar Colleges	Administer Accuplacer Assessment (Necessary for Math and English Placement at SDCCD)								
	SCHEDULE AN APPOINTMENT TO DEVELOP AN EDUCATIONAL PLAN W/ A COLLEGE COUNSELOR UPON ENROLLMENT AT SDCCD								
	Certificates of Achievement that do not require completion of general education may also be available. Meet with a college counselor for more information.								
	*Prerequisite courses for College English/math may be necessary depending on assesment level							Associate Degrees (AA/AS) applicable to Engineering & Heavy Construction pathway above (60 units req.)	AA/AS Degrees applicable to Residential & Commercial Construction pathway above (60 units req.)
	Year 1 Semester 1	Ex: English 101 *	Ex: Math 96 *			PE	Up to 13 units can be earned in high school for CBTE 103, CBTE 120, ARCH 100, ARCH 105 and MACT 140	Up to 9 units can be earned in high school CBTE 103, CBTE 120, ARCH 100, and ARCH 105	
	Year 1 Semester 2	Ex: Speech 103		Ex: Physical Science 100		Ex: Music 109	Associate Degrees: Computer Aided Manufacturing, Architecture Survey, Architecture Technician, Architecture Transfer, Construction Management, Landscape Architecture Technician, Landscape Architecture Transfer	Associate Degrees: Computer Aided Manufacturing, Architecture Survey, Architecture Technician, Architecture Transfer, Construction Management, Landscape Architecture Technician, Landscape Architecture Transfer	
Year 2 Semester 1	Ex: English 205		Ex: Biology 100/101	Ex: Hist 109	PE				
Year 2 Semester 2				Ex: Hist 110	Ex: ANTH 103				
For information on transfer to the university: 1) meet with your SDCCD Counselor for proper ed planning 2) complete admission requirements 3) submit university application during published filing periods									

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Required Courses/General Ed. Recommended Electives Career Technical Education Courses
Career Technical Education Courses apply to SDCCD AA/AS Degrees
•Available through Tech Prep (TP) articulation, credit by exam and/or dual Enrollment

* Check with your counselor to verify which SDCCD campus
ff AA/AS d

Mandatory Assessments, Advising, and Additional Preparation

offers your AA/AS degree