



SDCCD and SDUSD 4x4 High Schools

Health Science and Medical Technology Industry Sector

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 Required Courses and Other H.S. CTE Electives	CAREER AND TECHNICAL EDUCATION COURSES RECOMMENDED ELECTIVE COURSES COLLEGE - PREP FOR MAJOR COURSES (Choose One Pathway Below)	
4x4 High School		DRAFT							
		9	English 1,2	Algebra 1,2			Career & Life Management 1,2		Computer Applications in Business 1,2 (TP Credit: CBTE 103, CBTE 120=up to 5 units total)
		10	English 3,4 or Advanced Eng. 3,4 and AVID	Intermediate Algebra	Biology 1,2	World History			Hospital and Community Health Careers 1
		11	American Lit. (1 sem.) or AP English (1 year)	Geometry 1,2	Chemistry 1,2	US History			Hospital and Community Health Careers 2,3,4; Physiology 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)				Biotechnology (ROP) - Credit by Examination for BIOL 131 (4 units) and BIOL 132 (4 units)	
City, Mesa, Miramar Colleges		Administer Accuplacer Assessment (Necessary for Math and English Placement at SDCCD)							
		<u>SCHEDULE AN APPOINTMENT TO DEVELOP AN EDUCATIONAL PLAN W/ A COLLEGE COUNSELOR UPON ENROLLMENT AT SDCCD</u>							
		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 Biotechnology Research and Development career 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, BIOL 131, BIOL 132	
Year 1 Semester 2	Ex: Speech 103			Ex: Physical Science 100		Ex: Music 109			
Year 2 Semester 1	Ex: English 205			Ex: Biology 100/101	Ex: Hist 109	PE		Associate Degree: Biology: Applied Science Track	
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									

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center; color: blue;">Required Courses/General Ed.</td> <td style="width: 33%; text-align: center; color: orange;">Recommended Electives</td> <td style="width: 33%; text-align: center; color: red;">Career Technical Education Courses</td> </tr> <tr> <td colspan="3" style="text-align: center; color: red;">Career Technical Education Courses apply to SDCCD AA/AS Degrees</td> </tr> <tr> <td colspan="3" style="text-align: center; color: red;">• Available through Tech Prep (TP) articulation, credit by exam and/or dual Enrollment</td> </tr> <tr> <td colspan="3" style="text-align: center; color: red;">Mandatory Assessments, Advising, and Additional Preparation</td> </tr> </table>	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			Mandatory Assessments, Advising, and Additional Preparation			<p>* Check with your counselor to verify which SDCCD campus offers your AA/AS degree</p>
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