

HIGH SCHOOL DISTRICT SAN DIEGUITO UNION HS DISTRICT
COLLEGE MiraCosta College

INDUSTRY Engineering & Design
PATHWAY: Engineering Technology
PROGRAM: Architectural, Civil or Industrial Engineering Technician or Professional

This program of study is a sample pathway.
 Speak with a counselor to establish your individual career plan.

Signature of Secondary Administrator:	Date:
Signature of Postsecondary Administrator:	Date:

ADULT LEARNER ENTRY POINTS	SECONDARY	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	Required - Recommended Elective - Other Elective and Career & Technical Education Courses		
		9	English 9	Geometry	Biology		Intro to Engineering Design - articulated w/ENGR 110		
		10	English 10	Algebra II	Chemistry	World History	CAD Drafting (ROP) - articulated w/DRAF 101		
		11	English 11	Pre-Calculus	Physics	U.S. History Economics			
		12	English 12	Calculus	Other Science	American Government	Drafting - Parametric Solid Modeling - Articulated w/DRAF 203	Internship	World Languages
Successful Completion of MiraCosta College Math and English Competency Exams									

ADULT LEARNER ENTRY POINTS	POSTSECONDARY		Drafting Fundamentals Certificate of Proficiency total 11 units required 8 articulated units earned in HS	Applied Design (Emphasis in Industrial Design) Certificate of Proficiency total 17 units 11 articulated units earned in HS	Electro-Mechanical Drafting Certificate of Achievement total 24 units required 11 articulated units earned in HS	Computer-Aided Drafting (Emphasis in Architecture or Engineering) Certificate of Achievement total 20-21 units required 11 articulated units earned in HS	Computer-Aided Design & Drafting (Emphasis in Architecture) Certificate of Achievement total 26 units required 11 units earned in HS	Computer-Aided Design & Drafting (Emphasis in Engineering) Certificate of Achievement total 26-28 units required 11 units earned in HS
		1st Semester	ARCH 101 (3)	ART 100 (3) & DRAF 136 (3)	DRAF 120 (4) & DRAF 111/ENGR 111 (4)	ARCH 101 (3) & ARCH 207 (2) OR DRAF 111/ENGR 111 (4) & DRAF 204	DRAF 201 (4) & ARCH 101 (3)	DRAF 201 (4) & DRAF 111 (4)
		2nd Semester			DRAF 123 (3) & DRAF 204 (2)	DRAF 201 (4)	ARCH 102 (3) & DRAF 207/ARCH 207 (2)	DRAF 120 (4) & DRAF 204 (2)
		3rd Semester					choose 1 from the following: ARCH 103 (3), MAT 110/ART 247 (3), MAT 170/ART 248 (3), DRAF 136 (3)	choose 1 from the following: DRAF 123 (3), DRAF 136 (3), DRAF 207/ARCH 207 (2), MATH 130 (3)



Required Courses
Recommended Elective Courses (H.S. Elect. sometimes occur on varying days (i.e. A/B schedule))
Career and Technical Education Courses
Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses, 2+2+2) (+=H.S. to Com. College (-=Com. College to 4-Yr Institution) (-=Opportunity to test out)
Mandatory Assessments, Advising, and Additional Preparation