

Computer Aided Design & Drafting Technician I Certificate



CATALOG 2022-23

GE Pattern: VVC GE
Total Units: 18 Units
Program Code: CADDTECI.CERT



Additional Certificate/Degree Programs

Architectural Design and Drafting, AS * Engineering Drafting and Design, AS *
Electronics and Computer Technology, AS * Electronics Engineering
Technology: Electronics, AS * Geography, AA T * English, AA-T Drafting
Technician I Certificate * Architectural CADD Technician I Certificate

Year 1

Semester 1

9 Units

Category	Course	Title	GE Area	Unit
Req	CT 107	Technical Mathematics		3
Req	ENGD 101	Introduction to Drafting (offered fall only)		3
Req	ENGD 110	Introduction to 2-D AutoCAD		3



Semester 2

9 Units

Category	Course	Title	GE Area	Unit
Req	ENGD 103	Blueprint Reading for Construction		3
Req	ENGD 120	Introduction to Inventor		3
Req	ENGD 210	Advanced 2-D AutoCAD (offered spring only)		3

Category Key

(a)	Articulated Credit	A course taught at the high school that teaches the same content as the community college allowing the high school student to receive college credit.	GE	General Education	A course that fulfills a specific general education requirement for this degree, which can be replaced with another course that meets the same requirements.	
	Elec	Elective		RE	Restricted Electives	A course selected from a list of elective courses specified for this degree in the course list in the catalog, which can be replaced with another course from the same list.
	Req	Required Core				A course that is required for this degree

Must Receive a grade of C or better in all courses to receive a certificate



+505
5-year Job Demand
Increase in
MDCP Region

Average Hourly Wage

\$44.56
MDCP Region

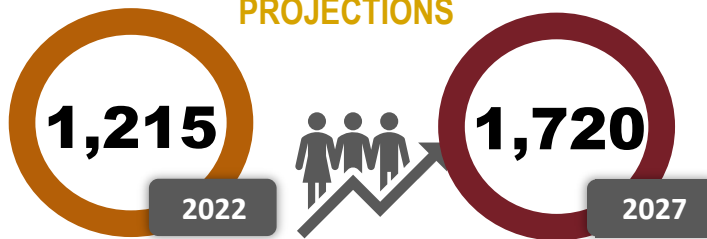
\$43.48
SB County

\$49.51
California



MDCP Regional Labor Market Snapshot
JOBS in Architecture, Drafting and Engineering

EMPLOYMENT PROJECTIONS



5-year demand includes new jobs, transfers, and retirements



CONTINUING EDUCATION AND TRAINING

Program

- AS Architectural Drafting & Design
- BA Architecture
- MS Architectural Technologies
- MS Architecture & Urban Design
- MS Computer Engineering
- MS Electrical & Computer Engineering

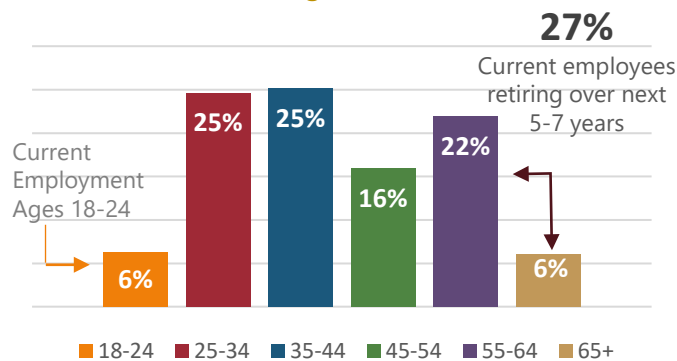
College

- Victor Valley CC
- Cal Poly Pomona
- SCI-Arc
- UC Los Angeles
- UC Riverside
- UC Los Angeles

For additional information visit

<https://catalog.vvc.edu/degrees-certificates/engineering/#text>

Current Age Breakdown



LOCAL EMPLOYERS

Employer

- Com AV
- Exquadrum Inc.
- General Atomics
- Minerals Technologies
- Northrop Grumman
- NASA
- Rio Tinto

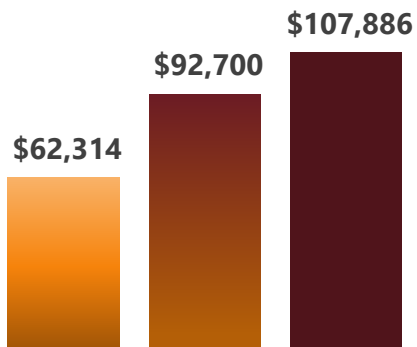
Website

- <https://www.comav.com/careers/>
- <http://www.exquadrum.com/>
- <https://www.ga-careers.com/>
- <https://www.mineralstech.com/our-company>
- <https://www.northropgrumman.com/>
- <https://www.nasa.gov/>
- <https://www.riotinto.com/careers>



Salary Guide

AVERAGE BY EXPERIENCE



Starting Average Experienced

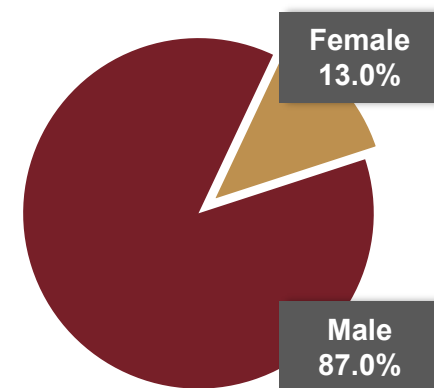
AVERAGE WAGE INFORMATION PER JOBS IN REGION

Occupation	Average Hourly Wage			HD Average Salary
	HD	SBC	California	
CNC Tool Programmers (PSC)	\$35.14	\$34.28	\$37.16	\$73,100
Architectural and Civil Drafters (A)	\$29.52	\$29.57	\$31.80	\$61,400
Drafters (A)	\$29.70	\$29.53	\$32.62	\$61,800
Architectural and Engineering Managers (B)	\$77.04	\$73.28	\$90.27	\$160,200
Architects, Surveyors, and Cartographers (B)	\$43.46	\$43.16	\$47.49	\$90,400
^Civil Engineers (B)	\$48.97	\$50.20	\$52.83	\$101,900
Mechanical Engineers (B)	\$48.11	\$44.31	\$54.39	\$100,100

Average hourly wage based on listed occupations
(HS = High School Diploma; PSC= Postsecondary Certificate; A = Associates Degree;
B = Bachelor's Degree; M = Master's Degree, D = Professional or Doctorate Degree)

HD Average wages based on listed occupations
^High Demand Occupation

Current Gender Breakdown



Serving the High Desert Region

Employment and wage data Source: CHMURA JobsEQ 2022 Q2 MDCP Region (HD) - San Bernardino County (SBC), and California