RAMPath: Science, Technology, "Engineering, & Mathematics
(760) 245-4271
Info@vvc.edu

Drafting Technician I Certificate of Achievement

RAMPath Counselor
Lyman Insley
(760) 245-4271 x2208
Lyman.Insley@vvc.edu

CATALOG 2022-23

GE Pattern: none
Total Units: 19 Units
Program Code: DRAFTECHI.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 Computer Aided Drafting and Design * 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 — 10 Units

Category	Course	Title	GE Area	Unit
Req	CT 105	Technical Sketching		3
Req	ENGD 103	Blueprint Reading for Construction (offered spring only)		3
Req	MATH 104 or MATH 105	Trigonometry or College Algebra		4

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	A degree - applicable course that is part of a degree road map to ensure that there is a total of at least 60 units, which is a requirement for an AS degree.	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**

MDCP Regional Labor Market Snapshot

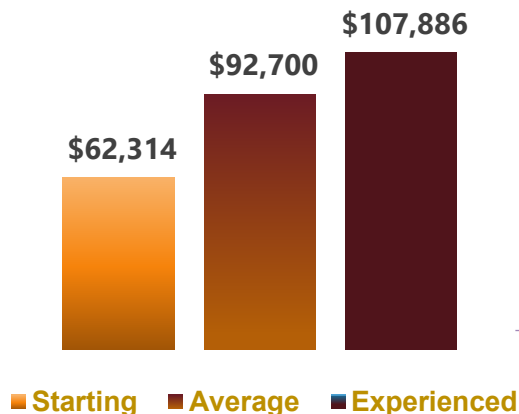### JOBS in Architecture, Drafting and Engineering

Average Hourly Wage

$44.56 MDCP Region

$43.48 SB County

$49.51 California

Salary Guide
AVERAGE BY EXPERIENCE

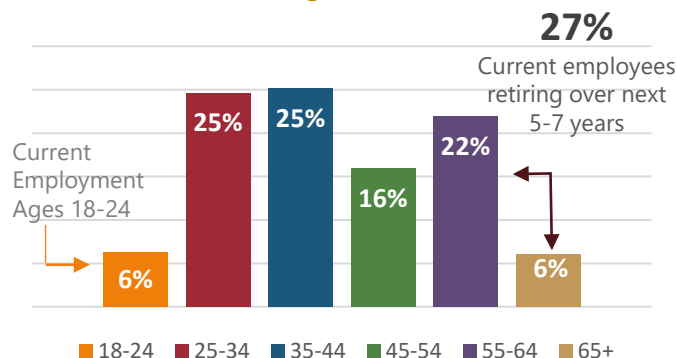- **$62,314** — Starting
- **$92,700** — Average
- **$107,886** — Experienced

■ Starting ■ Average ■ Experienced

EMPLOYMENT PROJECTIONS

1,215 — 2022

1,720 — 2027
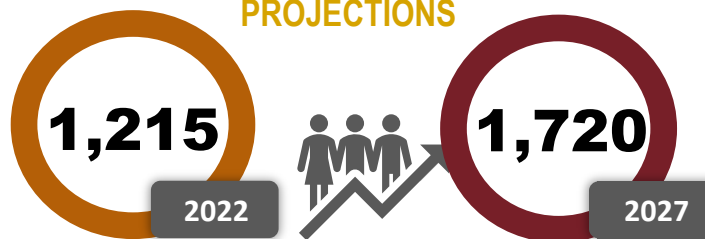
5-year demand includes new jobs, transfers, and retirements

Current Age Breakdown

27% Current employees retiring over next 5-7 years

Current Employment Ages 18-24

- 6% (18-24)
- 25% (25-34)
- 25% (35-44)
- 16% (45-54)
- 22% (55-64)
- 6% (65+)

■ 18-24 ■ 25-34 ■ 35-44 ■ 45-54 ■ 55-64 ■ 65+

AVERAGE WAGE INFORMATION PER JOBS IN REGION

Occupation	Average Hourly Wage			HD Average Salary
	HD	SBC	California	
CNC Too 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

CONTINUING EDUCATION AND TRAINING

Program	College
AS Architectural Drafting & Design	Victor Valley CC
BA Architecture	Cal Poly Pomona
MS Architectural Technologies	SCI-Arc
MS Architecture & Urban Design	UC Los Angeles
MS Computer Engineering	UC Riverside
MS Electrical & Computer Engineering	UC Los Angeles

For additional information visit
https://catalog.vvc.edu/degrees-certificates/engineering/#DRAFTECHI-CERT

LOCAL EMPLOYERS

Employer	Website
Com AV	https://www.comav.com/careers/
Exquadrum Inc.	http://www.exquadrum.com/
General Atomics	https://www.ga-careers.com/
Minerals Technologies	https://www.mineralstech.com/our-company
Northrop Grumman	https://www.northropgrumman.com/
NASA	https://www.nasa.gov/
Rio Tinto	https://www.riotinto.com/careers

Current Gender Breakdown

- **Female 13.0%**
- **Male 87.0%**

MDCP CAREER PATHWAYS
Serving the High Desert Region

VICTOR VALLEY COLLEGE 1961