

# Unix Administration Certificate of Achievement



## CATALOG 2022-23

GE Pattern: None  
Total Units: 14 Units  
Program Code: [UNIXADMIN.CERT](#)



## Additional Certificate/Degree Programs

Computer Information Systems AS \* Computer Science, AS-T \* MySQL Developer \*  
Electronics and Computer Technology AS \* Electronics Engineering Technology AS  
\* Computer Aided Drafting & Design \* Programming I \* Network Specialist

### Year 1

#### Semester 1

6 Units

Category	Course	Title	GE Area	Unit
Req	CIS 50	Computer Ethics		2
Req	CIS 190	Introduction to the Unix Operating System		4



#### Semester 2

4 Units

Category	Course	Title	GE Area	Unit
Req	CIS 221	Programming in Python		4

### Year 2

#### Semester 1

4 Units

Category	Course	Title	GE Area	Unit
Req	CIS 261	Unix System Administration		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



**+580**  
5-year Job Demand  
Increase in  
MDCP Region

**Average Hourly  
Wage**

**MDCP  
Regional Labor Market  
Snapshot  
JOBS in  
Computer Science  
and Technology  
Occupations**

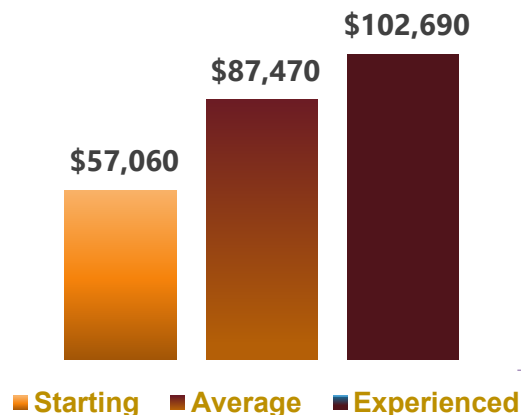
**\$42.06**  
MDCP Region

**\$40.51**  
SB County

**\$50.46**  
California

## Salary Guide

AVERAGE BY EXPERIENCE



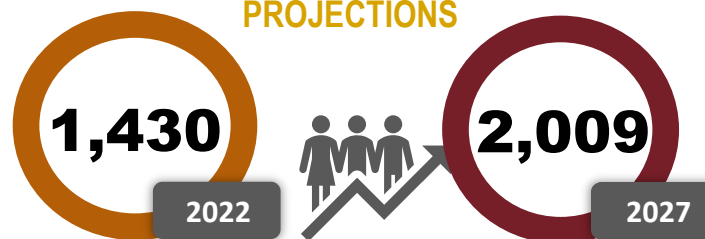
## Occupation

Occupation	HD	SBC	California	HD Average Salary
Computer Repair Technicians (HS)	\$22.32	\$22.07	\$23.23	\$46,400
<b>^Computer User Support Specialists (HS)</b>	\$29.49	\$28.70	\$34.51	\$61,300
Computer Network Support Specialists (A)	\$32.36	\$31.54	\$35.85	\$67,300
<b>^Computer Systems Analysts (B)</b>	\$48.88	\$45.57	\$57.43	\$101,700
Information Security Analysts (B)	\$50.25	\$46.66	\$65.00	\$104,500
Network & Computer Systems Administrators (B)	\$44.23	\$43.37	\$50.85	\$92,000
<b>^Database Administrators (B)</b>	\$47.90	\$47.20	\$55.66	\$99,600
Computer Programmers (B)	\$45.42	\$42.52	\$55.16	\$94,500
Computer Hardware Engineers (B)	\$62.34	\$62.14	\$81.72	\$129,700
Software and Web Developers/Programmers (B)	\$37.37	\$35.33	\$45.22	\$77,700

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)

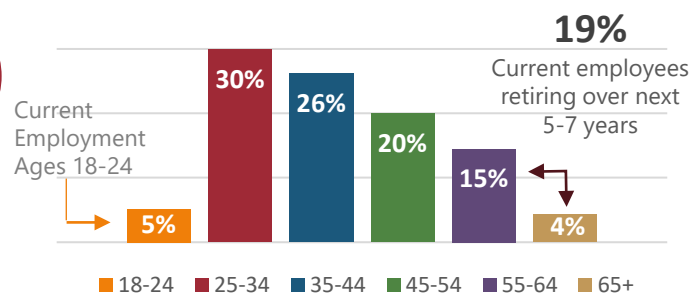
HD Average wages based on listed occupations  
**^High Demand Occupation**

## EMPLOYMENT PROJECTIONS



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

## Current Age Breakdown



**19%**  
Current employees  
retiring over next  
5-7 years

## AVERAGE WAGE INFORMATION PER JOBS IN REGION

Average Hourly Wage



## CONTINUING EDUCATION AND TRAINING

### Program

AS Computer Science AS-T  
BS Computer Engineering  
BA Computer Systems  
BS Computer Science/Business Apps  
MS Computer Engineering  
MS Electrical & Computer Engineering

### College

Victor Valley CC  
Cal State, San Bernardino  
Cal State, San Bernardino  
UC Riverside  
UC Riverside  
UC Los Angeles

For additional information visit

<https://catalog.vvc.edu/degrees-certificates/computer-information-science/#UNIXADMIN-CERT>

## LOCAL EMPLOYERS

### Employer

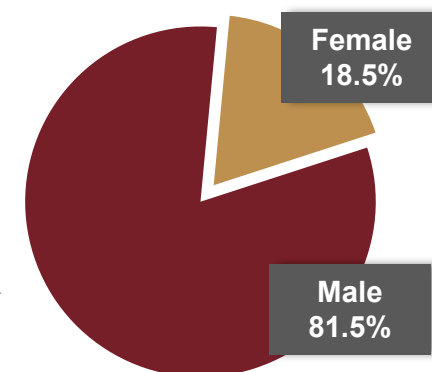
A Plus Computers  
AVC Tech Services  
Best Buy Geek Squad  
Hi Desert PC Crew  
Leidos  
Revature  
Topnotch Networking

### Website



[www.applevalleycomputer.com](http://www.applevalleycomputer.com)  
[www.avctechservice.com](http://www.avctechservice.com)  
<https://stores.bestbuy.com/ca.html>  
[www.hdpccrew.com](http://www.hdpccrew.com)  
<https://www.leidos.com>  
<https://revature.com/job-openings/>  
[www.tnnsupport.com](http://www.tnnsupport.com)

## Current Gender Breakdown



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