

Mathematics, AS-T



CATALOG 2022-23

GE Pattern: [CSU GE](#) or [IGETC](#)

Total Units: 60 Units

Program Code: [MASCT.AS](#) or [MASCT.IGETC.AS](#)



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			

Year 1, Semester 1

14 Units

Category	Course	Title	GE Area	Unit
Req	*MATH 226	Analytic Geometry and Calculus I	B4 or 2	4
GE	ENGL 101.0	English Composition and Reading	A2 or 1A	4
GE	Any	Recommended: HIST 117, HIST 118, or HIST 155	C2 or 3B	3
GE	Any		A1 or 1C	3

*Placement into MATH 226 or completion of MATH 104 and MATH 105 is required to begin this program. The math department highly recommends the MATH 86 support co-requisite course.

Year 1, Semester 2

16 Units

Category	Course	Title	GE Area	Unit
Req	MATH 227	Analytic Geometry and Calculus II		4
GE	Any		A3 or 1B	3
GE	Any		B2 or 5B	3
GE	Any		C1 or 3A	3
GE	Any		D or 4	3

*Take a laboratory paired with the biological science or with the physical science next semester.

Year 2, Semester 1

15 Units

Category	Course	Title	GE Area	Unit
Req	MATH 228	Analytic Geometry and Calculus III		5
GE	Any		C1/C2 or 3A/3B	3
GE	Any		B1 or 5A	4
GE	Any	Recommended: POLS 102	D or 4	3

Year 2, Semester 2

15 Units

Category	Course	Title	GE Area	Unit
Req	MATH 231	Linear Algebra		3
Req	MATH 270	Differential Equations		3
GE	Any		E or 6	3
GE	Any		F or 4	3
Elec	Any	Any course numbered 100 or above.		3



+1,114
5-year Job Demand
Increase in
MDCP Region

**Average Hourly
Wage**

**MDCP
Regional Labor Market
Snapshot
JOBS in
Mathematical and
Financial
Occupations**

\$49.64
MDCP Region

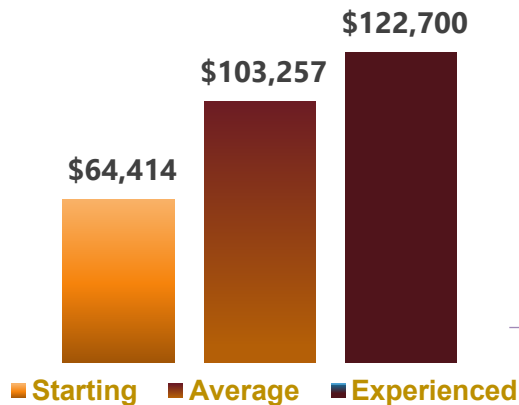
\$47.34
SB County

\$58.13
California

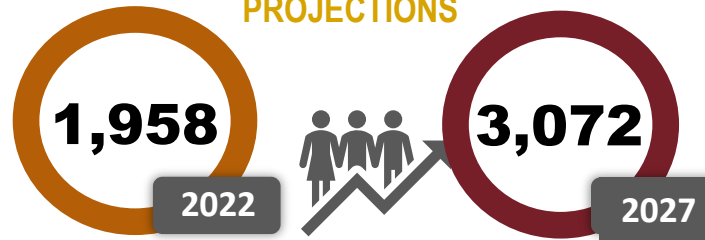


Salary Guide

AVERAGE BY EXPERIENCE

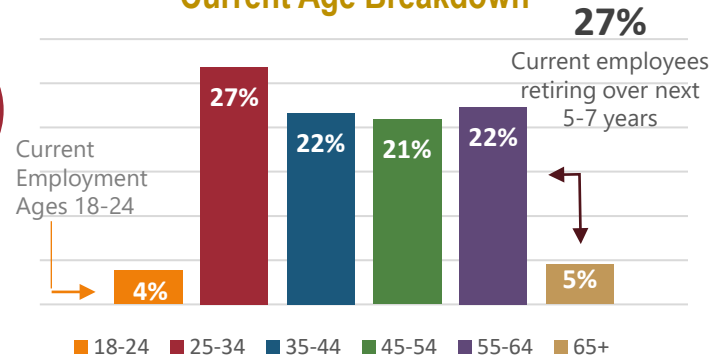


EMPLOYMENT PROJECTIONS



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

Current Age Breakdown



AVERAGE WAGE INFORMATION PER JOBS IN REGION

Occupation

Occupation	Average Hourly Wage			HD Average Salary
	HD	SBC	California	
^Bookkeeper, Accountant, Auditing Clerk (PSC)	\$24.23	\$23.71	\$26.25	\$50,400
^Financial Managers (B)	\$71.84	\$69.04	\$82.37	\$149,400
Operations Research Analysts (B)	\$44.67	\$42.48	\$52.12	\$92,900
Computer Programmers (B)	\$47.62	\$44.61	\$59.24	\$99,100
Economists (M)	\$61.98	\$56.91	\$68.78	\$128,900
Mathematicians (M)	\$48.47	\$46.49	\$61.02	\$100,800
Statisticians (M)	\$48.69	\$48.14	\$57.10	\$101,300

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

BA/BS Mathematics
BA/BS Mathematics
BS Financial Actuarial Math
BS Mathematics
MS Mathematics
MS Finance

College

Cal State, San Bernardino
UC Riverside
UC Los Angeles
UC Irvine
Cal State Los Angeles
UC San Diego

For additional information visit
<https://catalog.vvc.edu/degrees-certificates/mathematics/#MASCT-AS>

LOCAL EMPLOYERS



Employer

Culture Plug
Desert Accounting Service
Desert Community Bank
NewsPlus
Premier One Realty
Raymond James
Saddlerock Reverse Mortgage

Website

<https://www.cultureplug.com/>
<https://www.das1040.com/home>
<https://dcbk.org/about-us/careers.html>
<https://4newsplus.com/>
<http://www.vvmls.com/>
<https://www.raymondjames.com/careers>
<http://saddlerockreverse.com/>

Current Gender Breakdown

