



# LA Mission College Career Center

## MATHEMATICS

### MAJOR SHEETS

#### SKILLS

(things you will learn or use)

- Math skills
- Quantitative skills
- Critical thinking
- Ability to develop methodologies
- Time management
- Abstract reasoning
- Analyze, organize, and interpret data

#### INTEREST

- Solving problems
- Analyzing data
- Working with numbers
- Working independently
- Using logical thinking
- Working with computers
- Teaching others

#### WHAT IS MATHEMATICS?

A general program that focuses on the analysis of quantities, magnitudes, forms, and their relationships, using symbolic logic and language. Includes instruction in algebra, calculus, functional analysis, geometry, number theory, logic, topology, and other mathematical specializations. Mathematics is generally a major chosen by people who are by nature analytical and approach problems thinking critically. Individuals in this major enjoy the concepts and formulas in all kinds of mathematics, and also enjoy learning to apply them to life's real situations. Thinking critically and understanding and definitely liking the equations and methods are also central aspects of individuals who choose to major in Mathematics. Mathematics majors have hobbies that may include the use of computers, designing theoretical models, participating in math contests or clubs, and also activities, which involve either team or individual effort in solving complex problems that may or may not relate to real-life situations.

#### LAMC DEGREES & CERTIFICATES OFFERED

- **Associate of Science for Transfer (AS-T) in Mathematics**

#### TRANSFER RELATED MAJORS

- **Chico State:** Mathematics - Applied Mathematics, Statistics, General Mathematics, Mathematics Education
- **CSU East Bay:** Mathematics
- **CSU Fullerton:** Mathematics - Applied Mathematics, Actuarial Science, Teaching Mathematics, Pure Mathematics
- **CSU Long Beach:** Mathematics - Mathematics Education, Statistics, Applied Mathematics
- **CSU Los Angeles:** Mathematics - Integrated Teaching, Traditional Teaching, Applied Mathematics
- **CSU Northridge:** Mathematics - Secondary Teaching, Applied Mathematical Sciences, Statistics
- **UC Berkeley:** Mathematics and Applied Mathematics
- **UC Los Angeles:** Mathematics, Applied Mathematics, Mathematics/Applied Science, Mathematics/Financial Actuarial Mathematics, Mathematics for Teaching
- **UC San Diego:** Mathematics & Economics
- **UC Santa Cruz:** Economics/Mathematics
- **UC Irvine:** Mathematics
- **UC Davis:** Applied Mathematics, Mathematical Analytics & Operations Research, Statistics



# LA Mission College Career Center

## MATHEMATICS

### MAJOR SHEETS

#### WORK ENVIRONMENT

- Work is sedentary, sitting at a computer, or in meetings
- Work is exacting and data oriented
- Use computers to prepare reports, spreadsheets and for word processing
- Work is often solitary with long hours of intense concentration
- Use computers to make complex calculations

#### POTENTIAL JOB TITLES

- Accountant
- Actuary
- Statistician
- Mathematician
- Math teacher
- Cost Estimators
- Data analyst
- Financial analyst
- Data scientist
- Economist

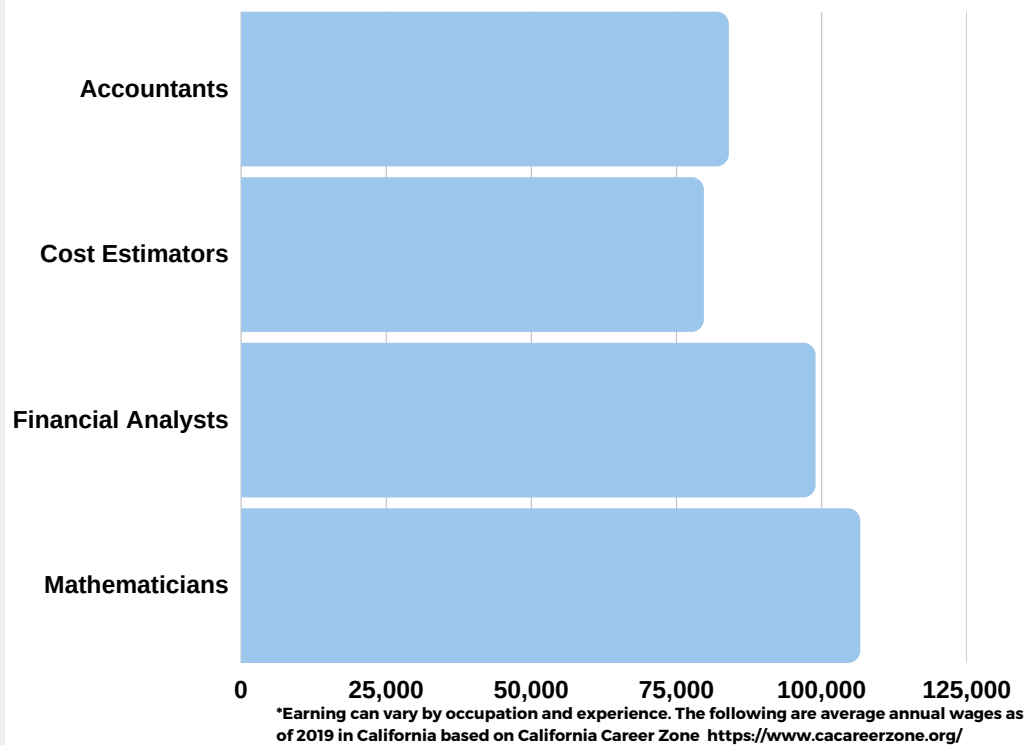
#### POTENTIAL EMPLOYERS

- Banks
- Healthcare agencies
- Technology firms
- Consulting firms
- Business services centers
- Private businesses
- Government agencies
- Corporate firms
- Colleges/universities

#### WEBSITE RESOURCES

[www.lamission.edu/careercenter](http://www.lamission.edu/careercenter)  
<https://www.lamission.edu/Mathematics-Department/Home.aspx>  
[www.assist.org](http://www.assist.org)  
[www.salary.com](http://www.salary.com)  
<https://uncw.edu/career/whatcanidowithamajorin.html>  
[www.cacareerzone.org](http://www.cacareerzone.org)  
<http://degrees.calstate.edu/>  
[https://admission.universityofcalifornia.edu/counselors/files/undergraduate\\_majors\\_list.pdf](https://admission.universityofcalifornia.edu/counselors/files/undergraduate_majors_list.pdf)

#### \*EARNINGS



This general information is provided by the LA Mission College Career Center. For specific information about majors and careers please email us to make an appointment at [careercenter@lamission.edu](mailto:careercenter@lamission.edu)