



# What Can I Do With a Major in... **Mathematics**

## **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. Mathematic majors have hobbies that may include the use computers, designing theoretical models, participating in math contests or clubs, and also activities, which involve either team or individual effort in solving complex problems which may or may not relate to real life situations.

## **Potential Employers**

- ❖ Industries: Manufacturing  
Transportation, Aerospace
- ❖ Electrical equipment
- ❖ Pharmaceuticals
- ❖ Consulting firms
- ❖ Public schools
- ❖ Private schools
- ❖ Colleges and universities
- ❖ Market research firms
- ❖ Consumer goods manufacturing  
firms
- ❖ Federal agencies including Defense,  
Labor, NASA, Justice
- ❖ Commercial banks

## **Possible Job Titles**

- ❖ Media Buyer
- ❖ Contract  
Administrator
- ❖ Banking/Credit/  
Investment Manager
- ❖ Estate Planner
- ❖ Computer  
Programmer
- ❖ Physicist
- ❖ Accountant
- ❖ Production Manager
- ❖ Satellite  
Communication
- ❖ Software Developer
- ❖ Mathematics Editor

- ❖ Computer Engineer
- ❖ Computer  
Marketing  
Representative
- ❖ Financial Auditor
- ❖ Public Health  
Statistician
- ❖ Mathematician
- ❖ Market Research  
Analyst
- ❖ Aerospace Engineer
- ❖ Economist
- ❖ Transportation  
Planner

- ❖ Information Scientist
- ❖ Investment Banker
- ❖ Network  
Programmer
- ❖ Production Support
- ❖ Computer  
Consultant
- ❖ Pollution  
Meteorologist
- ❖ Astronomer
- ❖ Robotics  
Programmer

# How This Major Helps You Move Forward:

## Skills I've learned in this major:

- ❖ Ability to generalize from the specific and to think abstractly
- ❖ Attention to detail is important
- ❖ Familiarity with computers and their applications
- ❖ Knowledge of statistics and probability

## Additional Information can be found at:

[www.assist.org](http://www.assist.org)  
[www.salary.com](http://www.salary.com)  
[www.uncw.edu/career/WhatCanIDoWithaMajorIn.html](http://www.uncw.edu/career/WhatCanIDoWithaMajorIn.html)  
[www.cacareerzone.org](http://www.cacareerzone.org)  
[www.lamission.edu/careercenter](http://www.lamission.edu/careercenter)

## CSU/UC Related transfer majors:

- ❖ **CSUN:** Mathematics BS (options in Applied Mathematics and Statistics)
- ❖ **UCR:** Statistics BS (options in Quantitative Management and Statistical Computing)
- ❖ **UCLA:** Applied Mathematics BS
- ❖ **SFSU:** Mathematics for Teaching BA
- ❖ ... and more!

Go to [www.assist.org](http://www.assist.org) to see universities that offer these majors

## CSU/UC Graduate Degree Options(MA/MS):

- ❖ **CSUN:** Mathematics, MS
- ❖ **CSU Dominguez Hills:** High School Math, MA
- ❖ **UCLA:** Statistics, MS/PhD

This is **general information**. For specific information on majors and careers please see a counselor in the Career Center – Claudia Ramirez (818)833-3403 ; [careercenter@lamission.edu](mailto:careercenter@lamission.edu)