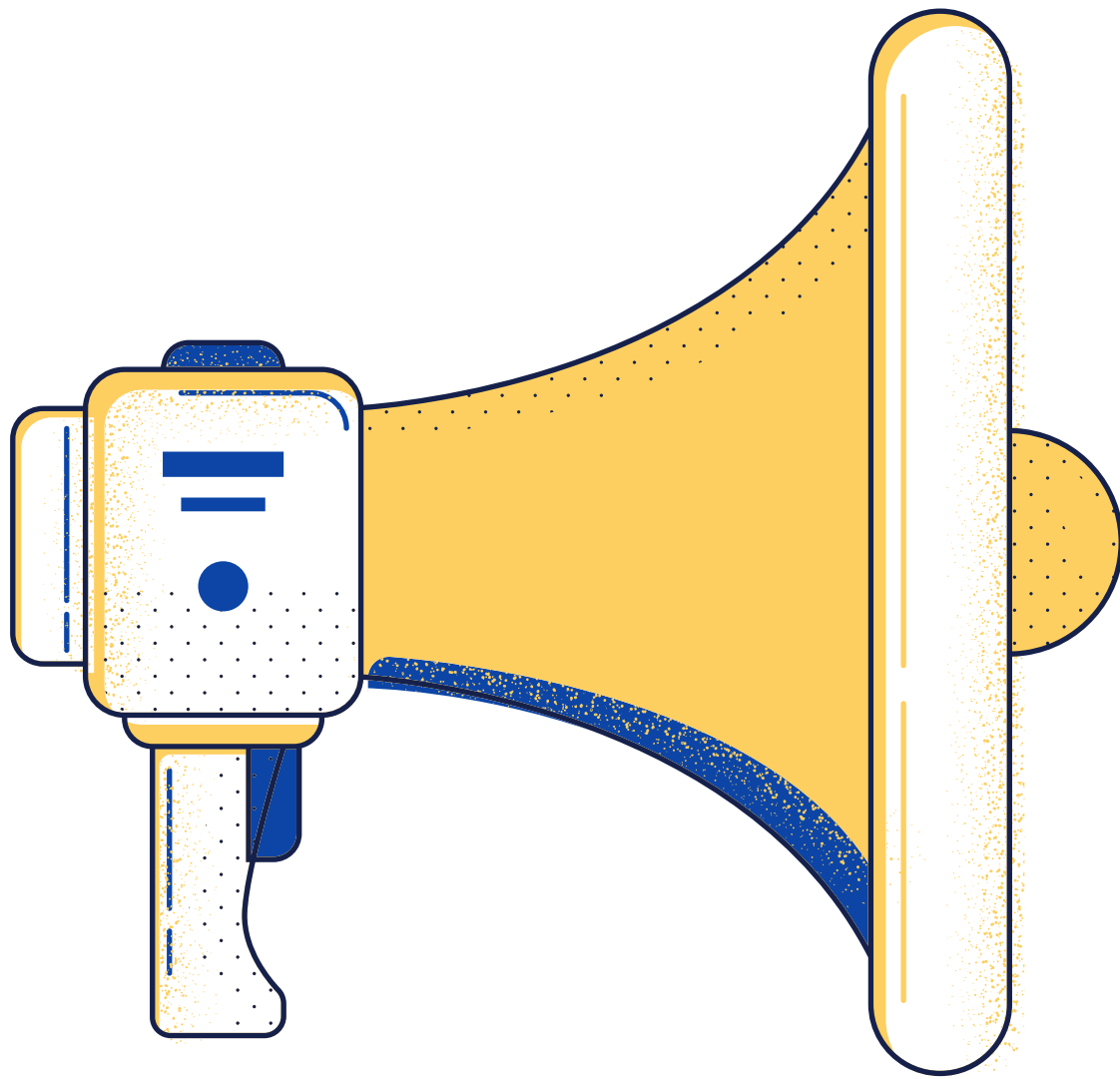


Potential Careers

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What kind of careers can you look into as a math major? The possibilities are endless!



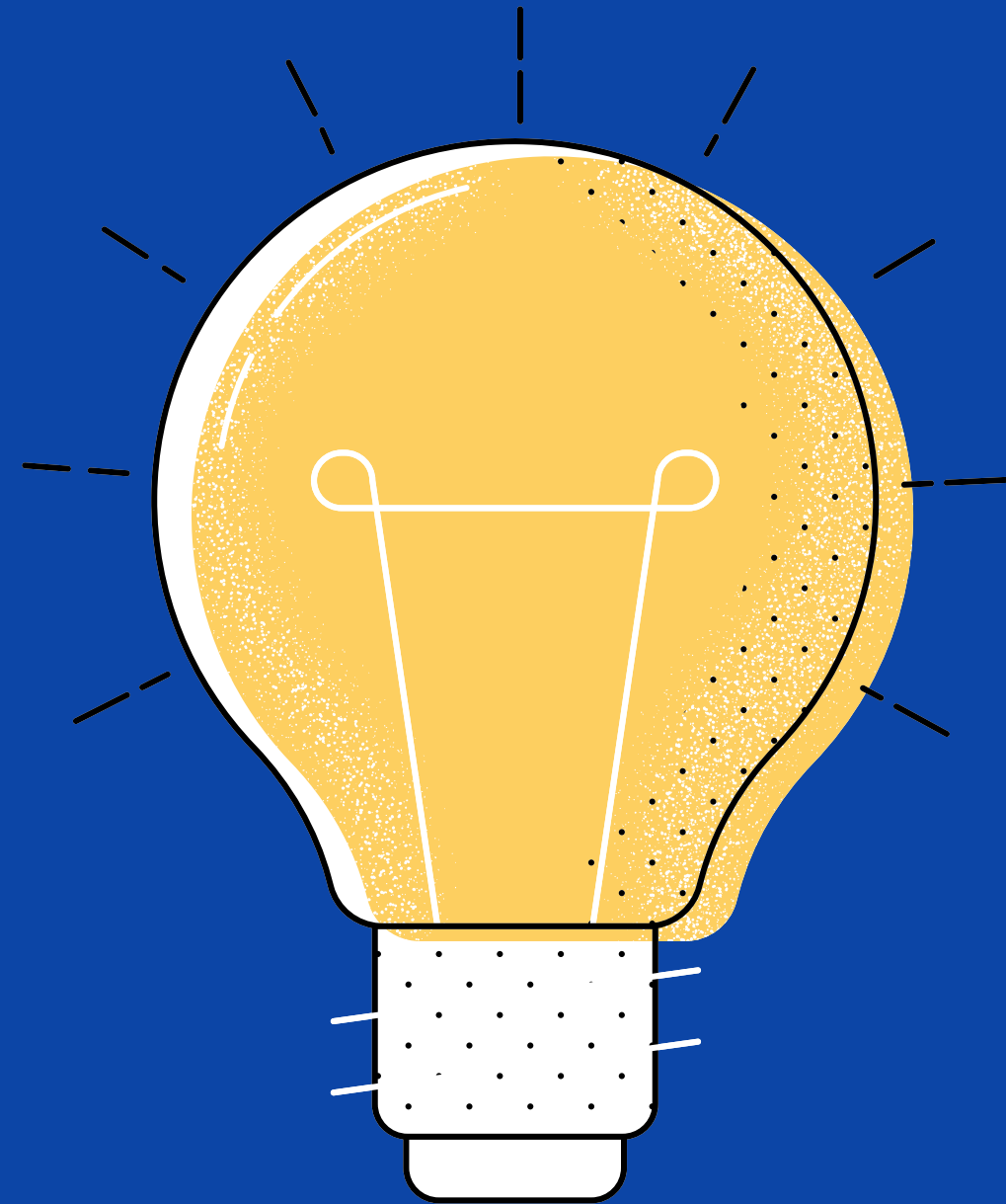


Sports Announcer

Sports announcers use math to predict the outcome of later games, as well as to calculate a players statistics

Database Administrator

Utilize specialized software to store, organize, and implement data, need mathematical skills to help make the database more effective and useful to the company



Video Game Designer

Make use of linear algebra and matrix algebra, as well as 3D modeling to successfully create their game

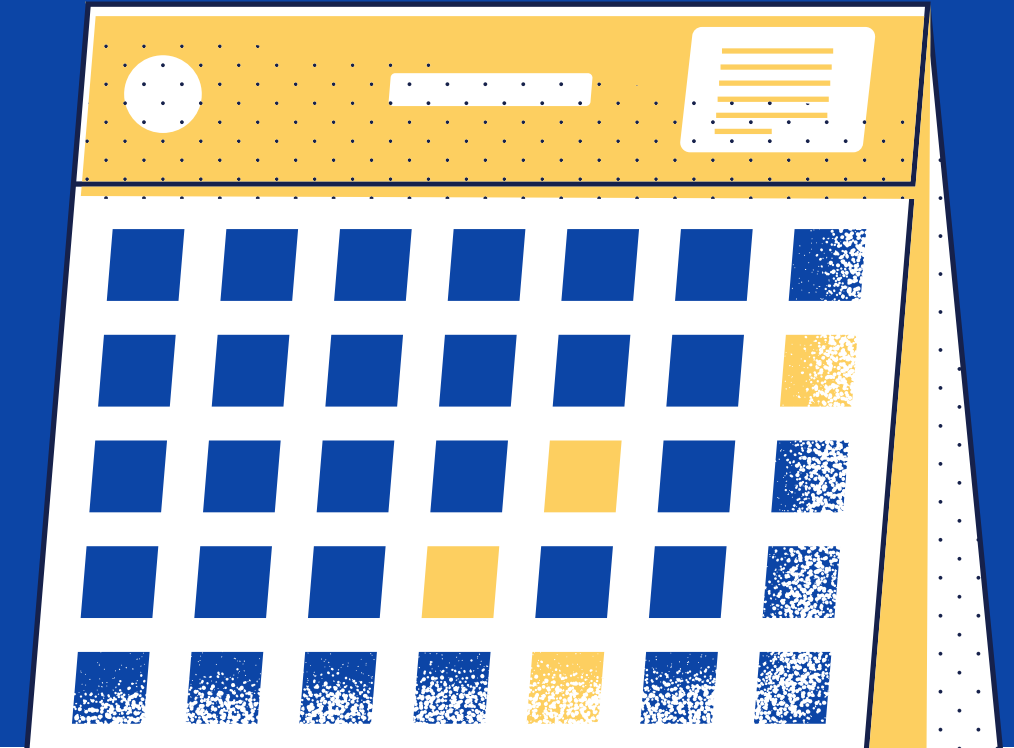


Actuary

Assess risk vs. financial costs to help businesses make decisions, needs basic understanding of math to compile statistical information, estimate probability, and test insurance policies



DATA ANALYTICS



Financial Analyst

Assess the performance of stocks, evaluate financial data, and study economic business trends, need the ability to use math and statistics to succeed in the career

Market Research Analyst

Monitor the market, forecast sales trends, and measure the effectiveness of marketing programs using advanced methods and math

Budget Analyst

Work for businesses and organizations to prepare budgets, create financial reports, and plan spending



ROLLERCOASTER DESIGNER

Calculus used to calculate speed, height, angles, etc. Factors such as mass, acceleration, stress also require the use of math and modeling in order to adequately and safely get the desired ride wanted.

ROBOTICS ENGINEER

Need math to calculate force, acceleration, distance, etc. of a machine and to calculate the changes which need to be made to hit these targets

LAWYER

Mathematicians are used to logic-based arguments like proof writing and analytics which allows them to excel as lawyers.





FINANCIAL ADVISOR

Understand the details of stocks, bonds, taxes, interest, and many other mathematical issues involved in finances and meet with clients to advise on financial services

OPERATIONS RESEARCH ANALYST

A career that uses problem-solving in math such as identifying problems, creating mathematical equations to solve them, and using the information to inform policy makers and business leaders



ANIMATOR

Movements can be projected using linear algebra: rotation, sizing changes, and movement shifts. Geometry is also needed because of different shapes, curves, and lines that are modeled.

METEOROLOGIST

Use math to predict the future of the atmosphere (Numerical Weather Prediction), mathematical & statistical modeling from previous data also allows one to predict what the weather will be like in the future



CRYPTOGRAPHER

Cryptography has adapted to focus on the use of different mathematical models in order to adequately protect information. Cryptographers use a mix of information theory, computational complexity, statistics, combinatorics, abstract algebra, number theory, etc.

ACCOUNTANT

Examine financial statements, compute tax information, and organize financial records, a degree in math is useful for this career





INSURANCE UNDERWRITER

Measure statistical probability and costs of coverage to offer coverage that is profitable and sustainable, works with lots of numbers and figures, requires an understanding of math



COST ESTIMATOR

Estimate the costs of certain projects for companies and organizations, collect and analyze data with the goal of figuring the time, materials, and labor, as well as the total financial costs along with reducing total prices