

Play your cards right, choose a...

MATHEMATICS CAREER

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A  **Ace a top job with... Mathematics**

5 of the Top 10 Best Jobs were maths related:

1. Actuary
2. Mathematician
4. Statistician
6. Data Scientist
10. Computer System Analyst




2  **Biostatisticians/ Bioinformaticians**


Biostatisticians and bioinformaticians are specialists in the evaluation of data as scientific evidence.


They provide the mathematical framework to interpret scientific data generated in biology, medical sciences, public health and other health sciences.




3  **Computational Scientist**

Computational scientists use skills from mathematics and information technology to tackle real-world scientific problems which can only be solved through computation. They collect and process vast amounts of data and build sophisticated models that would previously have been impossible.



4  **Cryptologist**


Cryptologists design and analyze systems to transmit information securely.




5  **Actuary**


Actuaries evaluate risk and opportunity by applying mathematical, statistical, economic and financial analyses to a wide range of business problems.




6  **Data Miner**


Data miners look for patterns and previously unknown information in large data sets in fields such as security, forensics, e-commerce, bioinformatics, genomics, astrophysics, medicine and chemical and electrical engineering.




7  **Epidemiologist**


Epidemiologists study the frequency and distribution of diseases within human populations and environments.




8  **Mathematical modeller**


Mathematical modellers use mathematics to imitate real-life processes and gain a deeper understanding of them, predict their future behaviour, or conduct experiments that would otherwise be unfeasible or even impossible to do.




9  **Materials Scientist**


Materials scientists study the properties, processing and production of existing and new materials such as metallic alloys, composites, liquid crystals, biological materials and thin films using mathematical models and computational tools.




10  **Mathematician**

Mathematicians apply and develop mathematical principles to solve problems in all areas of the sciences, technology, social sciences, business, industry and commerce.




J  **Meteorologist**


Meteorologists use atmospheric science, mathematical and computer sciences, mathematics and statistics, ocean and climate sciences or physics to forecast and interpret climatic conditions.



Q  **Operations Research Analyst**

Operations Research Analysts assist organizations such as manufacturers, airlines and the military in developing the most efficient, cost-effective solutions to organizational operations and problems using strategies, forecasting, resource allocation, facilities layout, inventory control, personnel schedules, and distribution systems.



K  **Statistician**

Statisticians design and manage experiments and surveys; deal with the initial collection of data; process and analyse the data in context, looking for patterns to help make decisions. They advise on findings and recommend strategy.

