Careers in Mathematics
Math Rated Best Job

Recent WSJ article: 200 Best & Worst jobs.

• #1 Mathematician
• #2 Actuary
• #3 Statistician
Did You Say Jobs?
Actuarial Sciences

- Risk Management
- Insurance Policies
- Pooling Risks
Investment Sciences

- Math Finance
- Portfolio Management
- Financial Analysis
Management Sciences

- Operations Research
- Supply Chain Management
- Military Logistics
Mathematics of Computation

- High Performance Computing
- Bio-Informatics
- Simulation
- Numerical Analysis
Mathematics & Information Technology

- Information Security
- Software Engineering
- Database Administration
- Systems & Network Analysis
Mathematical Modeling: Biology

- Epidemiology
- Population Dynamics
- Neuroscience
- Biological Networks
Mathematical Modeling: Earth Sciences

- Climatology
- Geophysics
Mathematical Modeling: Physics

- Fluid Dynamics
- Materials Science
- Acoustics
- Combustion
- Optics & Lasers
Mathematical Modeling: Engineering

- Control Systems
- Communication Theory
- Autonomous Systems
- Signal Processing
- Robotics
Mathematics: Inverse Problems

- Scattering
- Remote Sensing
- Radar/Sonar/Ultrasound
- Medical Imaging
Mathematics: Dynamics & Chaos

- Nonlinear Systems
- Pattern Formation
- Bifurcation Theory
- Nonlinear Waves
- Stochastic Models
Mathematics & Information

- Machine Learning & Artificial Intelligence
- Data Mining
- Information Retrieval
Mathematics: Imaging Sciences

- Image Processing
- Graphics
- Animation
Mathematics & Codes

- Cryptography
- Steganography
- Digital Signatures
Summary

• Math is Important/Useful/Rewarding
• 21st Century needs more mathematicians
• Numerous career opportunities
• Many applications