Mathematician

Job Description: Theoretical mathematicians come up with new mathematical rules and processes using the latest technology. Applied mathematicians use math rules and processes to solve scientific, engineering and business problems.

What does a Mathematician do?

- Help our military and intelligence agencies by designing and deciphering codes to securely transmit and retrieve sensitive information.
- Use mathematical models to predict the growth rate of tumors and how well chemotherapy can shrink them.
- Use math to model interactions between different animals to understand how the extinction of one species could impact the food chain.
- Develop models using math to predict tsunamis that develop after underwater sediment avalanches.
- Develop methods for solving problems that occur in areas of science and engineering or that come from applications in business or industry.

Your Interests:

- Do you enjoy working with math and technology?
- Are you good at math?
- Are you good at reasoning and logic?
- Do you like to solve problems?

Outlook: Bright

next 10 years

Average Salary - \$51.97 hourly, \$108,100 annually Projected Job Openings - 200 over the

Education/Program of Study:

- Bachelor's Degree in Mathematics for federal government jobs.
- Ph.D. in Mathematics for most private industry jobs.