

## Mathematics BPhil or BSGS

### Overview

Mathematics is both a scientific profession and a tool essential to many other scientific disciplines and careers. Applications occur in engineering, the biological and social sciences, economics, and computer science in addition to the more traditional physical sciences.

### Job Outlook

See <http://www.bls.gov/oco/ocos043.htm> for more information.

### Compensation

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### Career Options/Tracks

Government and industry need skilled mathematicians for work in operations research, numerical analysis, computer systems market research and commercial surveys. Jobs related to statistics, computer science, actuarial work, economics and engineering hold possibilities, especially if the student has a minor in one of these areas.

### Advanced Education Options

The employment opportunities are best for graduates with advanced degrees in applied mathematics.

### Sample Job Titles

- |                          |                         |
|--------------------------|-------------------------|
| *actuary                 | *accountant             |
| *operations researcher   | *statistical analyst    |
| *computer programmer     | *statistician           |
| *applied mathematician   | *mathematical professor |
| *engineer                | *financial analyst      |
| *mathematical researcher | *economists             |

### Some Employers of Mathematics Majors

- \*schools
- \*state/federal government
- \*colleges/universities
- \*engineering firms
- \*banks and investment firms
- \*technical journals
- \*insurance agencies
- \*business and industry
- \*utility companies
- \*research and development firms

Other Sources of Information

Actuarial Job Search

<http://www.ActuaryJobs.com>

American Mathematical Society

<http://www.ams.org>

American Statistical Association

<http://www.amstat.org>

Be an Actuary

<http://www.BeAnActuary.org>

Careers in Math

<http://www.coolmath.com/careers.htm>

Mathematical Association of America

<http://www.maa.org/>

PH.Ds.org

<http://www.phds.org>

Society for Industrial & Applied Mathematics

<http://www.siam.org/careers/>

Society of Actuaries

<http://www.soa.org>

The Riley Guide

<http://www.rileyguide.com>