Mathematics

This sheet has sample occupations, work settings, employers, and career development activities associated with this major. Some of these options may require additional training and career planning. You are not limited to these options when choosing a possible career path.

**Sample Occupations**

<table>
<thead>
<tr>
<th>Accountant</th>
<th>Computer Systems Analyst</th>
<th>Management Analyst</th>
<th>Risk Analyst/Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuary/Actuarial Trainee</td>
<td>Consultant</td>
<td>Manager, Electronic Data Processing</td>
<td>Sales Manager</td>
</tr>
<tr>
<td>Assessor</td>
<td>Cryptanalyst</td>
<td>Market and Survey Researcher</td>
<td>Securities Analyst</td>
</tr>
<tr>
<td>Astronomer</td>
<td>Cryptographer</td>
<td>Mathematical Analyst</td>
<td>Statistician</td>
</tr>
<tr>
<td>Auditor</td>
<td>Data Analyst</td>
<td>Mathematical Science Administrator</td>
<td>Tax Examiner</td>
</tr>
<tr>
<td>Biometrician</td>
<td>Economic Analyst</td>
<td>Mathematical Technician</td>
<td>Technical Writer</td>
</tr>
<tr>
<td>Biostatistician</td>
<td>Educator</td>
<td>Psychometrician</td>
<td>Theoretical Mathematician</td>
</tr>
<tr>
<td>Budget Analyst</td>
<td>Financial Analyst</td>
<td>Purchasing Manager</td>
<td>Traffic Technician</td>
</tr>
<tr>
<td>Cartographer</td>
<td>Financial Services</td>
<td>Quantitative Analyst</td>
<td>Translator, Scientific</td>
</tr>
<tr>
<td>Civil Engineer</td>
<td>Industrial Engineer</td>
<td>Real Estate Appraiser</td>
<td>Documents</td>
</tr>
<tr>
<td>Compensation/Benefits</td>
<td>Information Scientist</td>
<td>Regulatory Analyst</td>
<td>Treasury Management</td>
</tr>
<tr>
<td>Specialist</td>
<td>Information Systems Analyst</td>
<td>Research Analyst</td>
<td>Special</td>
</tr>
<tr>
<td>Comptroller</td>
<td>Investment Manager</td>
<td>Revenue Analyst</td>
<td>Underwriter</td>
</tr>
<tr>
<td>Computer Programmer</td>
<td>Loan Counselor/Officer</td>
<td></td>
<td>Urban &amp; Regional Planner</td>
</tr>
<tr>
<td>Computer Software Engineer</td>
<td></td>
<td></td>
<td>Wage Analyst</td>
</tr>
<tr>
<td>Engineer</td>
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<td></td>
</tr>
</tbody>
</table>

**Sample Work Settings**

<table>
<thead>
<tr>
<th>Accounting Firms</th>
<th>Actuarial Firms</th>
<th>Banks</th>
<th>Business Service Firms</th>
<th>Chemical &amp; Pharmaceutical Manufacturers</th>
<th>Colleges/Universities</th>
<th>Communication Service Providers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science &amp; Software Firms</td>
<td>Consulting Firms</td>
<td>Educational Institutions</td>
<td>Electronics and Computer Manufacturers</td>
<td>Energy Systems Firms</td>
<td>Engineering Firms</td>
<td>Financial Institutions</td>
</tr>
<tr>
<td>Government Agencies</td>
<td>Hospitals</td>
<td>Insurance Agencies</td>
<td>Investment Firms</td>
<td>Manufacturing Firms (i.e., Aerospace, Drug Industries)</td>
<td>Non-Profit Organizations</td>
<td>Private Organizations</td>
</tr>
<tr>
<td>Rating Bureaus</td>
<td>Real Estate</td>
<td>Research/Development Firms</td>
<td>Securities Firms</td>
<td>Technical Journals</td>
<td>Textbook Publishing Companies</td>
<td>Utility Companies</td>
</tr>
</tbody>
</table>

**Sample Employers**

A sample of organizations that have hired students with a concentration in mathematics.

Crowe Horwath LLP
Deutsche Bank
Florida Public Service Commission
Oak Ridge National Laboratory
Protiviti
Ernst and Young LLP

**Connecting Majors, Skills, and Occupations**

- View learning outcomes associated with your major in the FSU Undergraduate Academic Program Guide Learning Compact: [www.learningforlife.fsu.edu/smalcs/learningcompacts.cfm](http://www.learningforlife.fsu.edu/smalcs/learningcompacts.cfm)
- Explore the connection between occupations and skills in O*Net: [www.onetonline.org](http://www.onetonline.org)
- Use the FSU Career Portfolio to document transferable skills you develop through your major and other experiences: [www.portfolio.fsu.edu](http://www.portfolio.fsu.edu)
- Use Professionole to learn more about industry demands, career expectations, and opportunities from professionals: [www.career.fsu.edu/professionole](http://www.career.fsu.edu/professionole)
Sample Career Center Library Resources

Sample Books
Career Information Center 8th Edition:
- Computers, Business and Office.............................IIA CIC-3
- Engineering, Science and Technology......................IIA CIC-6
Careers for Number Crunchers & Other
- Quantitative Types................................................IIA CF-N8

Casualty Actuarial Society - Arlington, VA
American Mathematical Society - Providence, RI
Association for Women in Mathematics - College Park, MD
National Council of Teachers of Mathematics - Reston, VA
Society for Industrial and Applied Mathematics - Philadelphia, PA
Society of Actuaries - Schaumburg, IL

For other related professional organizations, go to FSU Libraries database at lib.fsu.edu; select Find a Database; search for Gale Databases; choose Associations Unlimited.

Sample Websites
- Actuary.com
www.actuary.com
- Mathjobs.com
www.mathjobs.com
- Florida State Mathematics Department
www.math.fsu.edu
- MathJobs.org
www.mathjobs.org

Sample Professional Organizations
- American Statistical Association - Alexandria, VA
www.amstat.org
- American Mathematical Society - Providence, RI
www.ams.org
- Casualty Actuarial Society - Arlington, VA
www.casact.org
- Mathematical Association of America - Washington, DC
www.maa.org
- National Council of Teachers of Mathematics - Reston, VA
www.nctm.org
- Society for Industrial and Applied Mathematics - Philadelphia, PA
www.siam.org
- Society of Actuaries - Schaumburg, IL
www.soa.org

Additional Information
- Florida State University Career Guide 2013-2014
- Career Guides
www.career.fsu.edu/advisingguides.cfm
- Library Links
www.career.fsu.edu/librarylinks.cfm
- Steps to Career Success
www.career.fsu.eduSteps-to-Career-Success/