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

Sample Work Settings

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

Sample Employers

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

Connecting Majors, Skills, and Occupations

- View learning outcomes associated with your major in the FSU Undergraduate Academic Program Guide Learning Compact: [www.academic-guide.fsu.edu/](http://www.academic-guide.fsu.edu/)
- 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
A Career in Statistics: Beyond the Numbers..............IIB 15-2041 H3
A Mathematician’s Survival Guide...............................IIC MT K7
Career Information Center 8th Edition:
Engineering, Science and Technology......................IIA CIC-6
Careers for Number Crunchers & Other
Quantitative Types.................................................IIA CF-N8
Careers for Scientific Types & Others
with Inquiring Minds.............................................IIA CF-S3
Careers in High Tech................................................IIB 17-2000 B25
Careers in Science.................................................IIB 19-0000 E2
High Paying Careers in STEM.................................IIB 19-1000 D3
Unlocking Your Brilliance.......................................IG4 P8

Self-Exploration and Career Information
To explore values, interests, and skills:
FOCUS 2
www.career.fsu.edu/Students/Plan-Your-
Career/Explore-Majors-and-Careers/
FOCUS2
Sigi3
www.career.fsu.edu/sigi
(Obtain a User ID from a Career Advisor)

To explore occupational outlooks and salaries:
National Compensation Survey
www.bls.gov/ncs/
Occupational Outlook Handbook
http://www.bls.gov/ooh
Salary.com
www.salary.com
SeminoleLink
www.career.fsu.edu/seminolelink
See additional resources in Career Center
Advising Module Sheets:
www.career.fsu.edu/Resources/Module-
Sheets

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

Sample Professional Organizations
American Statistical Association -
Alexandria, VA
www.amstat.org
American Mathematical Society -
Providence, RI
www.ams.org
Association for Women in Mathematics -
College Park, MD
www.awm-math.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

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.

Additional Information
Florida State University Career Guide
www.career.fsu.edu/Resources/Career-Guides
Career Guides by Topic
www.career.fsu.edu/Resources/Career-Guides
Library Links
www.career.fsu.edu/Resources/Career-Center-Library
Steps to Career Success
www.portfolio.career.fsu.edu/stepstocareersuccess/index.html