MATHEMATICS

All Mathematics courses at Carthage help students to acquire methods of logical reasoning and deduction, and to develop problem-solving skills for a wide variety of applications. Students choose the courses that best fit their future goals, whether they plan to attend graduate school; teach math in elementary or high school; or enter a career using problem-solving and analytical skills.

SKILLS

- Mathematical reasoning
- Problem solving
- Ability to analyze & interpret data
- Conducting research
- Training
- Instructing
- Preparing reports
- Organizational skills
- Numerical computation
- Calculating
- Writing
- Computer literacy
- Logical thinking
- Advanced quantitative skills

CAREER PATHS

Please note that this list includes careers requiring differing degrees of education and training.

- Engineer
- Professor, Mathematics
- Actuary
- Structural Analyst
- Computer Programmer
- Accountant
- Mathematician
- Financial Analyst
- Software Engineer
- Statistician
- Aerospace Mathematician
- Math Teacher
- Economist
- Market Research Analyst
- Underwriter
- Cost Estimator/Analyst
STARTING SALARY RANGES

Actuaries

<table>
<thead>
<tr>
<th>PERCENTILE</th>
<th>ACTUARY WAGE</th>
<th>10%</th>
<th>25%</th>
<th>50% (MEDIAN)</th>
<th>75%</th>
<th>90%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wisconsin</td>
<td>Annual Wage</td>
<td>$54,970</td>
<td>$71,430</td>
<td>$96,990</td>
<td>$128,180</td>
<td>$166,800</td>
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<tr>
<td>Illinois</td>
<td>Annual Wage</td>
<td>$58,000</td>
<td>$68,750</td>
<td>$81,300</td>
<td>$118,620</td>
<td>$151,270</td>
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</tbody>
</table>

COMPANIES EMPLOYING CARThAGE GRADUATES

- Accenture - Analyst
- All Saints Health Care - Computer Network Technician
- Primecast Inc. - Compensation Analyst
- Kenosha Unified School School District - Math Teacher
- Walgreens - Market Research
- Data Dimensions - Program Analyst
- Trustmark Insurance - Actuarial Analyst
- Initiative Concepts - Program Analyst
- AON - Data Management Specialist
- Heathrow Scientific - Project Coordinator

MAJOR JOB SEARCH ENGINES

- Carthage Career Connection
- American Mathematical Society
- Association for Women in Math
- Mathematical Association of America
- Society for Industrial and Applied Mathematics
- Jobs for Mathematicians
- Math Classifieds
- Math Jobs