

MATHEMATICS

[Mathematics Profile](#)

[Sample Résumés](#)

[Research Resources](#)

[What You Can Do NOW](#)

[Related Career Paths](#)

[Job Search Engines](#)

[Salary Information](#)

[Associations](#)

MATHEMATICS PROFILE

According to the Bureau of Labor Statics, employment of Math majors is projected to grow 33 percent from 2016 to 2026, much faster than the average for all occupations. Employment growth will vary by occupation. Growth is expected to result from more widespread use of mathematical/statistical analysis to make informed business, healthcare, and policy decisions. In addition, the large increase in available data from the Internet will open up new areas for analysis.

Employment of mathematicians is projected to grow 30 percent from 2016 to 2026, much faster than the average for all occupations. The amount of digitally stored data will increase over the next decade as more people and companies conduct business online and use social media, smartphones, and other mobile devices. As a result, businesses will increasingly need mathematicians to analyze the large amount of information and data collected. Analyses will help companies improve their business processes, design and develop new products, and even advertise products to potential customers.

In addition, mathematicians and statisticians will be needed in the scientific research and development services and pharmaceutical and medicine manufacturing industries. The aging of the U.S. population is expected to prompt pharmaceutical companies to develop new treatments and medical technologies. Biostatisticians will be needed to conduct the research and clinical trials necessary for companies to obtain approval for their products from the Food and Drug Administration.

[WCSU Mathematics](#)

[Occupational Outlook Handbook](#)

RELATED CAREER TITLES

The career paths listed below are only a sample of the opportunities one may consider. They have been taken from the Bureau of [Labor's Occupational Outlook Handbook](#) and the [O*Net Online](#). Some career paths may require additional education and training. To gain more understanding of the different career paths, take a look at [Candid Career](#), where you can watch



testimonials of people doing exactly what you might want to pursue.

Actuaries	Computer Programmers
Computer System Analysts	Database Administrators
Financial Analysts	Market Research Analysts
Nuclear Engineers	Physicists
Postsecondary Teachers	Statisticians
Survey Researchers	Astronomer

RÉSUMÉ SAMPLES & HELP

For a guide, and list of sample résumés, please visit our virtual résumé tool at <https://www.wcsu.edu/careersuccess/resumes/>. This is where you will find sample résumés, download our fillable résumés template, and find the cover letter & résumé checklist to ensure you are on the right track. Whether you are applying directly to a person, or an applicant tracking system (ATS), there are things you will need to know for your résumé to be recognized by the company's database. Use the checklist we provide and always proofread for perfection. Remember, your résumés and cover letters are the first writing samples any employer will ever see from you. You need to make sure it is perfect. Don't risk it, and come visit one of our Career Peer Leaders, who can help you. We are available Monday through Friday, either virtually or in person, anytime between 9 am to 5 pm. If you would like information, or to set an appointment, please contact the Career Success Center at careersuccess@wcsu.edu.

JOB SEARCH ENGINE

[Get Mathematics Jobs](#)

Mathjobs.org

[Mathematical Association of America](#)

Math-Jobs.com

RESEARCH RESOURCES

Learn.org

[Learn How to Become](#)

[Teachers of Tomorrow](#)

SALARY INFORMATION

Prepare for interviews, compare salaries and get company reviews with a free student account from [Glassdoor](#). Simply click the link and sign up with your student email address.

[CNBC](#)

[Sokanu](#)

[Salary.com](#)

[U.S. News](#)

WHAT YOU CAN DO NOW

Join a professional society or association related to Mathematics – See list below

Consider studying abroad. [Click here](#) to learn more.

Volunteer for WCSU's Vita Program

Volunteer for [Junior Achievement](#) in your community

ASSOCIATIONS

Associations are a great way for college students, recent graduates, and career changers to enhance personal and professional development, opportunities to build credibility and many networking avenues, which cannot be found anywhere else. Associations also offer drastically reduced membership rates for current students so NOW is the time to join.

[American Mathematical Society \(AMS\)](#)

[American Society for Engineering Education \(ASEE\)](#)

[American Statistics Association \(ASA\)](#)

[Association for Women in Mathematics \(AWM\)](#)

[Casualty Actuarial Society](#)

[Mathematical Association of America \(MAA\)](#)

[National Council of Teachers of Mathematics \(NCTM\)](#)

[Society of Actuaries](#)

Society for Industrial and Applied Mathematics (SIAM)

Society of Women Engineers (SWE)