Careers in Mathematics

Note: This is not intended to be a complete list of possible careers related to Mathematics, rather it is a sampling of possible options and resources. Math majors successfully enter a wide range of careers.

Boston College Resources

Boston College Mathematics Alumni Network: http://www.bc.edu/math/alumni/aluminnetwork.html
Connect with BC alumni working in mathematical fields.

Use your BC email to create a free account. Once logged in, navigate to the ‘Industries & Professions’ tab, then look for ‘Mathematics and Physics’.

EagleLink: https://bc-csm.symplicity.com/students

CareerEdge: http://careeredge.bc.edu

Exploring Careers in Math

What Can I do with this major? http://whatcanidowiththismajor.com/major/mathematics
Provides ideas about areas of specialization that relate to mathematics.

Sloan Career Cornerstone Center: http://www.careercornerstone.org/fields.htm
Non-profit resource center for those exploring careers in science, technology, engineering, and mathematics.

General Math Resources

Offers publications, meetings, and programs for undergrads and grad students, as well as a listing of math Research Experience for Undergraduates (REUs) summer programs and a listing of internship opportunities.

Association for Women in Mathematics: https://sites.google.com/site/awmmath
Includes a section for undergraduates and one for graduate students.

BuzzFile: http://www.buzzfile.com/Major/Mathematics
See a list of employers nationwide who employ Math majors.

Mathematical Association of America: http://www.maa.org
Focuses on mathematics at the undergraduate level and offers events, competitions and more. Check out their Students and Resources page.

National Association of Mathematicians (NAM): http://www.nam-math.org
Particular focus on addressing the shortage of underrepresented minorities in math careers.

National Science Foundation (NSF) Summer Research Opportunities:
http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5044
Explore a list of competitive summer research programs in the U.S. for undergraduates through the NSF’s Research Experiences for Undergraduates (REU) program.

Career Center Website: http://www.bc.edu/careers    carctr@bc.edu
BC Career News: careeredge.bc.edu    617.552.3430
Applied Mathematics

Society for Industrial and Applied Mathematics: http://www.siam.org
Includes job search resources as well as journals, conferences and more.

Technology / Engineering

Association for Computing Machinery: http://www.acm.org
“Delivers resources that advance computing as a science and a profession.” Visit the Career & Job Center.

Actuarial Science

Be An Actuary: http://www.beanactuary.org
Describes what actuaries do, resources relevant to the field, and more. Check out the Finding a Job section for information about internships and jobs.

Society of Actuaries (SOA): http://www.soa.org
Includes news and publications, professional development information, and a career section.

American Academy of Actuaries: http://www.actuary.org
Serves the public and U.S. actuarial profession.

Finance

American Bankers Association: http://www.aba.com
Offers a robust Tools & Resources section that includes resources by bank type or job function, job listings, and more.

Association for Financial Professionals: http://www.afponline.org
Provides information about events, trainings, careers and more.

Education

National Council of Teachers of Mathematics: http://www.nctm.org
Supports K-12 math teachers with conferences, publications, lessons, and more.

Boston College Lynch School of Education: http://www.bc.edu/schools/lsoe
Attend their events and learn about their programs in teaching, applied psychology, leadership, and educational research.

Statistics & Data Analytics

American Statistical Association: http://www.amstat.org
Their Career Center provides info on what statisticians do and where they work, as well as job resources.

BuzzFile: http://www.buzzfile.com/Major/Data-Science
See a list of employers nationwide who employ Data Science majors.

A 6-7 week summer training course on biostatistics for undergrads and beginning grad students.

Graduate School

Rankings of Math graduate programs in the U.S. Also provides rankings by specialty areas within the field.