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# Computer Science & Math

## Career Information

University of Denver Career Center  
(303) 871-2150 <http://www.du.edu/career>

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### An Overview ...

The mathematical sciences open the doors to many career choices. Mathematics and computer science use quantitative thought and analytical reasoning, sometimes with the help of computer hardware and software, to solve theoretical and practical problems in the real world, including the design and use of computer equipment.

### Skills:

Ability to analyze problems/ make appropriate decisions  
Ability to deal with numbers  
Ability to master new computer language/methodologies  
Ability to organize and think logically  
Ability to work well under pressure

Ability to work with others  
Ability to write/edit  
Computer ability  
Proficiency with details  
Proficiency in precise analytical reasoning

### Some Professional Careers:

Actuary	Educator	Navigator
Accountant	Efficiency Expert	Operations Analyst
Applications Programmer	Engineering Analyst	Psychometrician
Architect	Fundraiser	Quality Control
Astronomer	Geophysicist	Risk Analyst
Budget Analyst	Information Scientist	Securities Trader
Business Programmer	Institutional Research	Statistician
Cartographer	Insurance analyst	Surveyor
Computer Engineer	Inventory Controller	Systems Analyst
Computer Science Technician	IRS Agent	Teacher
Cost Engineer	Lawyer	Technical Sales
Data Reduction Analyst	Market Researcher	Technical Writer
Director of Vital Statistics	Mathematical Trainee	Traffic Manager
Drafting	Mathematician	Underwriter
Economist	Meteorologist	Wage Administrator

### Career Center Resources:

Visit [www.du.edu/career](http://www.du.edu/career) and click on Career Links for more information on careers in Computer Science and Math.

## Hiring Organizations:

Airlines  
Banking firms  
Census bureau  
Chemical industries  
Colleges/Universities  
Communication companies  
Computer companies  
Engineering firms  
Government agencies  
Hospitals  
Insurance companies

Investment firms  
Manufacturing firms  
Medical employers  
Professional/Technical journals  
Publishing companies  
Research firms  
State/Local grant agencies  
Test-development companies  
Transportation companies  
Utility companies  
Weather bureaus/companies

## Professional Organizations:

American Mathematical Society  
201 Charles Street  
Providence, RI 02904-2294  
(800) 321-4267 fax: (401) 331-3842  
<http://e-math.ams.org>  
email: [ams@ams.org](mailto:ams@ams.org)

American Society for Information Science & Technology  
1320 Fenwick Lane, Suite 510  
Silver Spring, MD 20910  
(301) 495-0900 fax: (301) 495-0810  
<http://www.asis.org>  
email: [asis@asis.org](mailto:asis@asis.org)

American Statistical Association  
1429 Duke Street  
Alexandria, VA 22314-3415  
(888) 231-3473 fax: (703) 684-2037  
<http://www.amstat.org>  
email: [asainfo@amstat.org](mailto:asainfo@amstat.org)

Association of Computer Professionals  
PO Box 172  
Maple Plain, MN 55359  
(612) 479-6273 fax: (612) 479-3804  
[www.acomputerpro.org/](http://www.acomputerpro.org/)

Institute for Certification of Computer Professionals  
2350 East Devon Avenue, Suite 115  
Des Plaines, IL 60018-4610  
(847) 299-4227 fax: (847) 299-4280  
[www.iccp.org/](http://www.iccp.org/)  
email: [office@iccp.org](mailto:office@iccp.org)

Association for Women in Computing  
41 Sutter Street, Suite 1006  
San Francisco, CA 94104  
(415) 905-4663  
[www.awc-hq.org/](http://www.awc-hq.org/)  
email: [awc@awc-hq.org](mailto:awc@awc-hq.org)

Association for Women in Mathematics  
4114 Computer and Space Science Building  
University of Maryland  
College Park, MD 20742-2461  
(301) 405-7892 fax: 301-314-9363  
[www.awm-math.org/](http://www.awm-math.org/)  
email: [awm@math.umd.edu](mailto:awm@math.umd.edu)

Mathematical Association of America  
1529 Eighteenth Street NW  
Washington, DC 20036-1385  
(800) 741-9415 fax: (202) 265-2384  
<http://www.maa.org>  
email: [maahq@maa.org](mailto:maahq@maa.org)

Society for Industrial and Applied Mathematics  
3600 University City Science Center  
Philadelphia, PA 19104-2688  
(215) 382-9800 fax: (215) 386-7999  
<http://www.siam.org>  
email: [service@siam.org](mailto:service@siam.org)

Association for Computing Machinery  
One Astor Plaza  
1515 Broadway  
New York, NY 10036  
(800) 342-6626  
<http://info.acm.org/>

email: [webmaster@acm.org](mailto:webmaster@acm.org)

**Job Titles and Employers of DU Undergraduate Math/Computer Science Majors:**

<b>Job Title</b>	<b>Employer</b>
Analyst	Andersen
Engineer	McData
Internal Auditor	BPA International
Release/Test Engineer	Lucent Technologies
Software Engineer	IBM Central Business
Software Engineer	Quark, Inc.
Software Engineer	Raytheon
Software Engineer	Lockheed Martin
Software Quality Assurance Engineer	Quark, Inc.
Specialist	US West
Systems Analyst	Sentry Systems
Technical Analyst	Noel-Levitz

**Job Titles and Employers of DU Graduate Math/Computer Science Majors:**

<b>Job Title</b>	<b>Employer</b>
Consultant	Travco Inc.
Consultant	AMS
Engineer	US West Communications
Programmer Analyst	Software International
QA Technical Engineer	Quark, Inc.
Software Developer	JD Edwards
Software Developer	Nimble
Software Engineer	Symsystems
Software Engineer	Rougewave
Software Engineer	Frontier Confertech
Software Engineer	Rhythms Net Connections
Software Engineer	Lucent Technologies
Software Engineer II	Phoenix Technology
Technical Consultant	Aspect Consulting
Wireless Telecom Developer	Samsung Electronics