

1. Record Nr.	UNINA9910817694403321
Titolo	101 careers in mathematics // edited by Andrew Sterrett
Pubbl/distr/stampa	Washington : , : Mathematical Association of America, , 2014
ISBN	1-61444-116-2
Edizione	[Third edition]
Descrizione fisica	1 online resource (xvii, 335 pages) : digital, PDF file(s)
Collana	Classroom Resource Materials
Disciplina	510/.2373
Soggetti	Mathematics - Vocational guidance Mathematicians - United States United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 02 Oct 2015).
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface to the first edition -- Preface to the second edition -- Preface to the third edition -- Brian Adams: Senior Member of Technical Staff Optimization and Uncertainty Estimation; Sandia National Laboratories -- Jeffrey Zane Anderson: Industrial Engineer; Commonwealth Aluminum Corporation -- Alysia Appell: Senior Analyst; Northwest Airlines -- P Darcy Barnett: Computer Scientist; National Institute of Standards and Technology -- Carl M Beard: Mathematician; Rockwell International Corporation -- Cheryl Beeman: Electronic Commerce Specialist; Kodiak Group -- Betsy Bennett: Private School Teacher; St Albans School, Washington DC -- Nick Bennett: Research Scientist; Schlumberger -- Jonathan G Blattmachr: Partner; Milbank, Tweed, Hadley & McCloy, New York and Los Angeles -- Mary Bonar: Emergency Medicine Physician; Pinnacle Hospital, Harrisburg, PA -- Ron Bousquet: R & D Project Manager; Hewlett-Packard Company -- Margaret L Brandeau: Associate Professor of Industrial Engineering; Stanford University -- Judith R Brown: Manager, Advanced Research Computing Services; University of Iowa -- Denise Cammarata: Senior Engineer; Westinghouse Wireless Solutions Company -- Cora L Carmody: Manager of Systems Engineering; PRC, Inc -- Jessie Caruso: Senior Systems Integrator; CollabraSpace, Inc -- Jack Cassidy: Engineer Scientist, Firmware; Hewlett-Packard -- Shane Chalke: Actuary/Business Owner; Chalke, Inc -- Judith E Chapman: Senior

Software Engineer; Harris Scientific Calculations -- Samson Cheung: Research Scientist; MCAT Institute, NASA Ames Research Center -- Yves Chiricota: Professor; Universite du Quebec a Chicoutimi -- Megan Christensen: Risk Analyst; Travelers Insurance -- Andrea Cook: Employee Benefits Consultant; Plante & Moran, PLLC -- James L Cooley: Aerospace Mathematician; NASA Goddard Space Flight Center -- Mary K Cooney: Mathematics Editor: Simon & Schuster, Inc -- Jeff Cooper: Corporate Technical Developer; PH Glatfelter Company -- Joe Corrigan: Project Mathematics! -- H Michael Covert: Senior Computer Systems Specialist; Chemical Abstracts Service -- Sarah Cullen: Senior Professional Relations Representative; Bay State Health Care -- Allison DeLong: Marine Research Associate; University of Rhode Island -- Janet P DenBleyker: Assistant Actuary; Buck Consultants -- Mark Derwin -- Susan J Devlin: Director-Measurements Research; Bellcore -- J Wanzer Drane: Professor of Biostatistics; University of South Carolina School of Public Health -- Arnitra Duckett: Educational Markets Manager; Texas Instruments, Incorporated -- Paula Duckett: Elementary School Mathematics Specialist -- Yawa Duse-Anthony: Senior Associate; KKO and Associates -- M Scott Elliott: Operations Research Analyst; FedEx Corporation -- Katie Evans: Assistant Professor; Louisiana Tech University -- Helaman Ferguson: Sculptor -- Rol Fessenden: Director of Inventory Control; LL Bean -- Kathie Flood: Program Manager; Microsoft Games Studio -- Sara Ford: Software Design Engineer in Test; Microsoft Corporation -- Richard D Fuhr: Senior Engineer; Electronic Data Systems -- Holly Gaff: Graduate Research Associate; University of Tennessee -- Marshal B Garrison: Principal Software Engineer; PictureTel Corporation -- Allen Gibson: Instructor; Stillman School of Business, Seton Hall University -- Ruth Gonzalez: Research Specialist; Exxon Production Research Company -- Douglas A Gray: Senior Consultant; American Airlines Decision Technologies -- Cynthia Carter Haddock: Professor and Academic Program Director; University of Alabama at Birmingham -- Charles R Hadlock: Professor of Mathematics; Bentley College -- Charles Hagwood: Mathematician; National Institute of Standards and Technology (NIST) -- John F Hamilton: Research Associate; Eastman Kodak Company -- William D Hammers: Chief Financial Officer; Optimal Solutions -- Jeff Hand: Senior Physics Engineer; Raytheon -- Carl M Harris: Professor and Operations Researcher; George Mason University -- Mary Hesselgrave: Distinguished Member of Technical Staff; Lucent Technologies Bell Labs -- Jerry W Highfill: Mathematical Statistician; United States Environmental Protection Laboratory -- Matthew D Janssen: Commercial Litigation Attorney; Pepper Hamilton LLP -- Richard Jarvinen: Professor and Consultant; Winona State University and NASA -- Captain CJ Jaynes: PMA 213 Program Manager; United States Navy -- Denise Ann Johnston: Instructor and Consultant on quality Control; Boeing Commercial Airplane Group -- Patricia H Jones: Professor and Chair; Methodist College -- Marcia P Kastner: Research Scientist; Akamai Technologies, Inc -- Sherra E Kerns: Professor and Chair; Vanderbilt University -- Gary Kim: Accounting Manager; Perdue Farms Incorporated -- Greg King: Teacher; Dublin City Schools -- Kay Strain King: Senior Environmental Mathematician; Theta Engineering Inc -- Karen M Kneisel: Project Manager; Otis Elevator Company -- John Kuchenbrod: Project Team Manager; MITRE Corporation -- Janice A Kulle: Senior Product Actuary ; Baltimore Life Insurance Company -- Kimberly A Kuntz: Senior Systems Engineer; Electronic Data Systems -- Michael H Kutner: Chairman, Department of Biostatistics and Epidemiology; Cleveland Clinic Foundation -- Donna F Lawson: Economist; National Oceanic and Atmospheric

Administration -- Christopher M Legault: Research Fishery Biologist; NOAA Fisheries -- Loren Mernoff Lewin: Senior Systems Engineer; Telcordia Technologies -- Mike Lieber: Biostatistician; Cleveland Clinic Foundation -- Peter A Lindstrom: Retired Professor of Mathematics; North Lake College -- Dan Loeb: Quantitative Research Department; Susquehanna International Group -- Tammy M Lofton: Actuarial Assistant; Nationwide Insurance Company -- Valerie Lopez-Zinzer, ASA: Actuarial Associate; Watson Wyatt -- Christopher M Luczynski: Senior Associate Engineer; Mask Home, IBM -- Chad Magers: Scientist; Naval Surface Warfare Center -- Carol J Mandell: Market Researcher; Corporate Software, Inc -- Carla D Martin: Assistant Professor; James Madison University -- Patrick Dale McCray: Systems Project Leader; GD Searle & Co, a subsidiary of Monsanto -- Jennifer E McLean: Member of Technical Staff; Jet Propulsion Laboratory -- Juan C Meza: Numerical Analyst; Sandia National Laboratories -- Michael G Monticino: Associate Professor; University of North Texas -- S Brent Morris: Mathematician; National Security Agency -- William D Murphy: Applied Mathematician; Rockwell International Science Center -- Michael J Murray: Java Developer; IBM Global Services -- Deenanne Kay Myers: Product Analyst; AIG Specialty Auto -- Joan Peters Ogden: Consulting Actuary; Joan Ogden Actuaries -- Edna Lee Paisano: Statistician; Bureau of the Census -- Amanda Peterson: Modeling and Simulation Analyst; Dynamic Research Corporation -- Bruce A Powell: Manager, Group Control; Otis Elevator Company -- Marla Prenger: Associate Scientist; Procter and Gamble -- Edward H Preston: Sr Information Systems Engineer; MITRETEK Systems, Inc -- Fred L Preston: Systems Engineer; Lucent Technologies -- Diana R Purcell: Financial Analysts; KeyCorp -- Amanda Quiring: Project Manager; International Accounting Standards Board -- Laura Readdy: Advanced Systems Engineer; Electronic Data Systems Corporations (EDS) -- Brian D Repp: Senior Data Math Analyst; Bendix Field Engineering Corporation -- Mark A Reynolds: Operations Research Manager; USAir, Inc -- Nancy K Roderer: Director; Harvey Cushing/John Hay Whitney Medical Library, Yale University -- Peter Rosenthal: Professor; University of Toronto -- David S Ross: Research Associate; Eastman Kodak Company -- Edward Rothstein: Cultural Critic-At-Large; New York Times -- Christine Rutch: Associate Statistician; Air Products and Chemicals, Inc -- Bonita V Saunders: Mathematician; National Institute of Standards and Technology -- Julie Scarpa: Mathematics Product Manager; Prentice Hall School Division -- Jeffrey A Schneider: Secondary Mathematics Teacher; Eden Prairie High School -- Joel Schneider: Vice President for Education and Research; Square One TV: Children's Television Workshop -- Deborah A Southan: Scientific Systems Programmer; Bendix Field Engineering Corporation -- Mitchell Stabbe: Partner; Dow, Lohnes & Albertson, PLLC -- Arthur P Staddon: Clinical Associate Professor; University of Pennsylvania School of Medicine -- Courtney Stephens: Senior Commercial Analyst; Americas Marathon Oil Company -- Robert L Stewart: NASA Astronaut/Director of Advanced Programs; Nichols Research Corporation -- Mary Kay Esworthy Stiles: Marketing Specialist/Claims Manager; Riedman Insurance -- Kathy Haas Stukus: Member Technical Staff: AT&T Network Systems -- Lisa M Sullivan: Senior Budget Analyst; Bureau of Medicine and Surgery, Department of the Navy -- Elizabeth Sweet: Mathematical Statistician; Bureau of the Census -- Julie S Tarwater: Quality Control Manager; Biles & Associates -- Debra W Taufen: Marketing Manager; IBM Corporation -- Frederick C Taverner: District Systems Engineering Manager; Sun Microsystems, Inc -- Mark P Terry: Systems Engineer; Trident Systems Incorporated -- Jill L Tolle: Senior

Statistician; IMS America -- Lisa M Tonder: Principal Statistician; Medtronic Inc -- Jane Turnbull: Assistant Vice President; Equifax -- Sue E Waldman: Mathematician; US Department of Agriculture Rodney B Wallace: Technical Solutions Manager; IBM -- Martha Weeks: Computer Marketing Consultant; Self-employed -- Benjamin E Weiss: Imaging Scientist; MetaCreations Corp -- Faedra Lazar Weiss: Research Associate; Girls Incorporated National Research Center -- Michael D Weiss: Agricultural Economist; US Department of Agriculture -- Gary L Welz: Director of Corporate Business Development; THINKNewIdeas -- Dan C White: Actuary -- Paul Willoughby: Lead Software Analyst; PRB-CPMPTEK Systems -- Sandra L Winkler: Research Scientist; Ford Motor Company -- Sarah Adams Yearly: Technical Lead; Lockheed Martin Air Traffic management -- James W Yen: Area Development Manager; GlaxoSmithKline Vaccines -- Joyce W Yen: Program/Research Manager; ADVANCE Program, University of Washington -- Yvonne Zhou: Software Engineer; Cray Research, Inc -- Yaromyr Andrew Zinkewych: Troubleshooter; Hubble Space Telescope -- Paul Zorn: Professor; St Olaf College --

Appendices: Seven steps to finding a job -- Interviewing tips from the pros -- So you want to work in industry -- Teamwork: the special challenge of industry -- Degrees earned by mathematics majors.

Sommario/riassunto

This third edition of the immensely popular 101 Careers in Mathematics contains updates on the career paths of individuals profiled in the first and second editions, along with many new profiles. No career counselor should be without this valuable resource. The authors of the essays in this volume describe a wide variety of careers for which a background in the mathematical sciences is useful. Each of the jobs presented shows real people in real jobs. Their individual histories demonstrate how the study of mathematics was useful in landing good-paying jobs in predictable places such as IBM, AT&T, and American Airlines, and in surprising places such as FedEx Corporation, L.L. Bean, and Purdue Farms, Inc. You will also learn about job opportunities in the Federal Government as well as exciting careers in the arts, sculpture, music, and television. There are really no limits to what you can do if you are well prepared in mathematics. The degrees earned by the authors profiled here range from bachelors to masters to PhD in approximately equal numbers. Most of the writers use the mathematical sciences on a daily basis in their work. Others rely on the general problem-solving skills acquired in mathematics as they deal with complex issues.
