Career Snaps are snapshot introduction resource pages that invite you to explore a list of career titles and consider what peaks your initial curiosity. Below are highlights of titles related to the major of Mathematics and Computer Science. Feel free to review and consider how these titles appeal to your interests and how you would like to apply your major further.

Please note: Career paths below vary in terms of required experience, education, and/or licensures and further research to career paths of interest is important to help identify which require advanced degrees or bachelor degrees.

Make Marks! Circle titles of interest and cross off those that don’t appeal to you to begin the exploration process. Keep in mind that this is not an exhaustive list but a starting point to connect your interests and to highlight some of the ways students with your major have transitioned to various career paths. Note that career titles may vary depending on the organization or company.

Career Titles

- Accountant
  - Chartered Accountant, Forensic Accountant, etc.
- Aerospace Engineer
- Air Traffic Controller
- Analyst
- Applied Mathematician
- Applied Science Technologist
- Appraiser
- Architect
- Astronomer
- Auditor (External and Financial), EDP Auditor
- Banking/Credit/Investment Manager
- Benefits Specialist
- Biostatistician
- Bookkeeper
- Budget Officer
- Cartographer
- Collections Manager
- Commodity Manager Consultant
- Compensation Benefits Administrator
- Consumer/Loan Credit Officer
- Consumer Products Research Scientist
- Contract Administrator
- Cryptographer
- Data Control Administrator
- Data Mining Specialist
- Demographer
- Development
  - Gaming Developer, Medical Systems Designer, Mobile App Developer, Software Developer, etc.
- Econometrician
- E-Commerce Developer
- Education
  - After School Educator, Computer Lab Specialist, Computer Software Trainer, Elementary, Middle, and Secondary Teacher, Financial Aid Counselor, IT Trainer, Professor, etc.
- Electronic Commerce Specialist
- Equity Trader
- Engineer
  - Communication Engineer, Value Engineer, etc.
- Entrepreneur
- Estate Planner
- Financial Consultant/Planner
• Government
  ◦ Actuarial Specialist, Artificial Intelligence, Quality Engineer, Business Intelligence Consultant, CIA Agent, FBI Agent, Financial Analyst, Information Technology Manager, Legislative Aide, Loan Specialist, Navy Officer, Pension Law Specialist, Quality Assurance Specialist, Telecommunications Specialist, etc.
• Insurance
  ◦ Insurance Underwriter, Risk & Insurance Specialist, etc.
• Inventory Control Specialist
• Investment Banker
• IT Consultant
• Hydrologist
• Loan/Credit Officer
• Mathematical Research Scientist
• Mathematical Technician
• Media Buyer
• Meteorologist
• Mortgage Researcher
• Navigator
• Operations Researcher
• Pilot
• Production Manager
• Project Manager
• Psychometrician
• Public Health Statistician
• Purchasing Agent
• Product Manager
• Quantitative Management Consultant
• Quantity Surveyor
• Research Associate
• Robotics Engineer/Programmer
• Social Media Manager
• Statistician
• Stockbroker
• Technical Illustrator
• Technology
• Urban Planner
• Writing and Editing
  ◦ Digital Copywriter, Editor, Mathematics Editor, Technical Writer, etc.

Food For Thought

Take a minute to review the following questions and jot down thoughts that come to mind:

• Interests: What career areas below resonate with you the most and how do the careers you circled relate?
  ◦ Actuarial Science
  ◦ Banking and Finance
  ◦ Biomathematics
  ◦ Business
  ◦ Computer and Information Sciences
  ◦ Cryptography
  ◦ Digital Communications
  ◦ Education
  ◦ Finance
  ◦ Government
  ◦ Health Systems
  ◦ Manufacturing
  ◦ Non-Profit
  ◦ Operations Research
  ◦ Research

• Skills: What skills that you enjoy are you interested using further in a profession?
  ◦ Analytical skills, assessment skills, attention to detail, computer literacy, critical thinking, data management, fluent in programming languages, formulate clear and logical mathematical arguments, interpret data, identify patterns/trends, information management, mathematical skills, numerical literacy, problem solving, quantitative reasoning, research, statistical analysis ability, systemizing skills, working independently, etc.

• Values: What core values are most important to you and how might careers you circled support these values?

Ready to Take the Next Step?
Below are resources that give an overview of career profiles, settings, education, outlook, related occupations, pay, and state/regional information etc.:
http://www.bls.gov/ooh
http://www.onetonline.org