

What Can I Do with a Major in **MATH**?

Learning mathematics is similar to learning a language. Just as we speak and write using symbols filled with meaning, math majors become fluent in the language of numbers, translating complex, real-world problems into mathematical equations, concepts, and principles that can then be solved. While the skills learned in an undergraduate mathematics program can run the gamut in terms of applicability in professional institutions, they all involve learning to problem-solve and think analytically. In short, every business needs someone who knows mathematics, whether or not mathematics are the directly related to the chief function of that business. Our world today runs just as much on the basis of numbers as words, and as such those who are proficient in speaking the language of numbers can find great opportunities for entry-level positions and successful careers beyond.

Typical Coursework

Abstract Algebra	Mathematical Reasoning
Calculus	Multivariate Calculus
Computer Science	Physics
Differential Equations	Probability
Discrete Mathematics	Real Analysis
Geometry	Statistics
History of Mathematics	Vector Analysis
Linear Algebra	

Related Major Skills

Problem solving	Organizational skills
Critical thinking	Ability to analyze & interpret data
Logical thinking	Team skills
Systemizing skills	Advanced quantitative skills

Related Occupations (some may require advanced education)

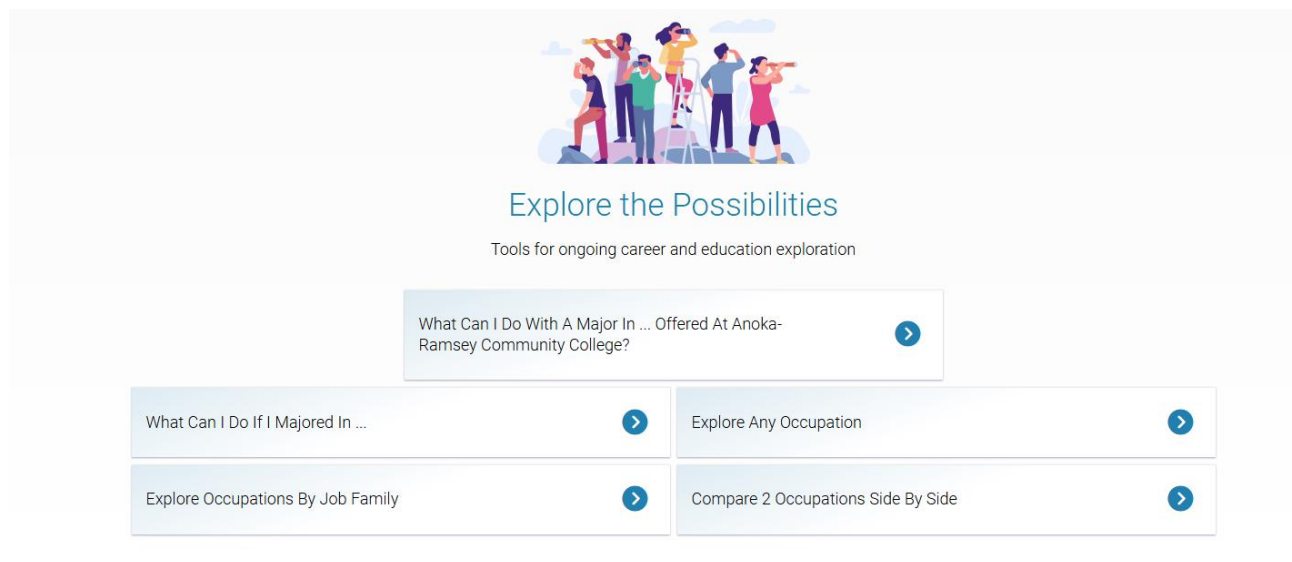
Actuaries	High School Math Teachers
Auditor	Insurance Sales
Cost Estimators	Market Research Analysts
Pricing Analyst	Underwriter
Investment Banking	Purchasing/Inventory Control
Computer Engineers	Mathematicians
Computer Programmers	Meteorologists
Computer Systems Analysts	Natural Sciences Managers
Elementary School Teachers	Operations Research Analysts
Risk Assessment	Energy Auditors
Statisticians	Loan Officers
Financial Analysts	University and College Teachers

Who Hires for this Occupation?

Banks & financial institutions, chemical product companies, government agencies, health care organizations, investment companies, insurance agencies, IT industry, energy systems firms, and research & development firms.

Focus2

Visit [FOCUS2](#) (use ARCC credentials to sign-in) for more information regarding **related occupations and average salaries** and explore **other related majors**. You can also take **assessments** to match your skills, interests, and values to potential careers and majors.



MN Colleges & Universities with a major in MATH

Augsburg College	Minnesota State Univ., Moorhead
Bemidji State University	North Central University
Bethany Lutheran College	St. John's University
Bethel University	Saint Mary's University of MN, Winona
Carleton College	Southwest Minnesota State University
College of Saint Benedict	St. Catherine University
College of St. Scholastica	St. Cloud State University
Concordia College	St. Olaf College
Concordia University	University of Minnesota, Duluth
Gustavus Adolphus College	University of Minnesota, Morris
Hamline University	University of Minnesota, Twin Cities
Macalester College	University of St. Thomas
Minnesota State Univ., Mankato	Winona State University

Anoka-Ramsey Community College offers an [Associate of Arts in Liberal Arts and Sciences Degree](#) with general education courses that typically transfer as all or part of the first two years of a baccalaureate degree.

Search for majors and colleges at [Minnesota State System Colleges and University](#)

Professional Association Links

[American Mathematical Society](#)

[Association of Women in Math](#)

[National Council of Teachers of Mathematics](#)

[American Statistical Association](#)

[Mathematical Association of America](#)

[Society for Industrial and Applied Mathematics](#)

[IEEE Computer Society](#)

For More Information

Contact ARCC Counseling (Coon Rapids and Cambridge) at (763) 433-1100 or stop by the campus Information Desk

Information adapted from:

[Minnesota Career Information System](#)

[Occupational Outlook Handbook](#)

[Focus2](#)

[Career Center at the University of North Carolina at Wilmington](#)