

Why Study Mathematics?

The Mathematics program is among the most rigorous and marketable programs at any college. Graduating with a math degree has several advantages:

1. It offers students a rigorous training in analytical and computational skills and also helps build up intuitive skills.
2. Math degrees are extremely marketable. Employers understand that a new employee with a background in mathematics is very skilled and can easily be trained to do complex new tasks. Take a look at the following website (<http://www.ams.org/careers/>) to see the various career options that mathematics graduates have. In general, those trained in mathematics have been in high demand in diverse fields such as teaching, finance, research, computer industry and health sciences.
3. There is always a need for qualified Mathematics teachers in our K-12 schools across the nation. Mathematics majors with a teaching certification can very easily find high school teaching positions which can be a very fulfilling career path. Students pursuing a career in mathematics have access to education scholarships on our own campus (for instance, check out <https://www.montclair.edu/csam/noyce/noyce-math/>).
3. A lot of Mathematics majors also go on for higher degrees such as a Masters or Ph. D.
 - A. A Mathematics undergraduate can pursue a Masters degree in Mathematics but is also very well trained to go on for a degree in any branch of Engineering, Computer Science, Law Health Sciences, MBA or Finance.
 - B. A Ph.D. allows the student to pursue faculty positions at universities and colleges or research positions in various kinds of industries depending on the area of expertise.
4. Median salaries for mathematicians, with at least a masters degree is about \$100,000 (see <https://www.thebalancecareers.com/what-to-do-with-a-degree-in-math-525625>).
5. Mathematics majors are among the top performers in standardized tests such GRE, GMAT and LSAT.

For more information about the mathematics major we ask you to check the website of the American Institute of Mathematics: <http://www.aip.org/statistics/trends/career.html>.

Mathematics at Montclair State University

The Mathematics program at Montclair State University offers a rich and rewarding experience which will serve you well in the future. Here is what you should know about our program:

1. The Mathematical Sciences department comprises of faculty who are trained in various aspects of Mathematics. You can get more information about the department, our programs and faculty on our website: <https://www.montclair.edu/mathematics/>
2. Mathematics majors have the option of pursuing a basic degree in Math (with several options under the free electives – come see us for more info), obtain a teaching certification or applying for a five year combined B.S./M.S. program which allows them to get a bachelor's in Mathematics and a master's degree.
3. Some of our recent graduates have gone on for doctoral degrees in Mathematics, Applied Math, Engineering and Education programs at places like Lehigh University, Arizona State University, Montclair State University(Environmental Management, Math/Science Education), Georgia Tech, Virginia Tech (Math and Engineering), NJIT, University of Delaware, North Carolina State University, University of Arizona, University of Pittsburgh etc.
4. Some of our recent students have taken up teaching up teaching careers at the following NJ schools: Piscataway High School, Piscataway High School, Technology High School, Newark, Saint John Vianney High School, Bloomfield High School, Nutley High School, Lyndhurst High School, Lincoln Middle School, Joyce Kilmer School, Montclair High School, Harrison School District, STEM Academy, East Orange School District, Elizabeth School District, Elizabeth School District, Eastern Christian High School, Elizabeth School District, Jonathan Dayton High School, to name a few.
5. Students have found employment in places like 1st National Bank, Bed Bath & Beyond, Naval Air Systems Command, Neustar, Inc, NYC Department of Health and Mental Hygiene, Wyndham Destinations, A.M. Best, NY, Our House Foundation, ADP, IBM, Walker Solutions.
6. The mathematics faculty have personal stake in the success of our students. We do the best we can to help students gain experiences that will help them in the future. Therefore our program is designed to help our students pursue various tracks in mathematics where we believe our students have the best chance of success. Our faculty can provide specific guidance depending on the particular track you want to pursue. These tracks are tailor made variations to the formal mathematics programs, made to suit the individual student's needs and goals. For details about the various options in the department, please check out the following website: <https://www.montclair.edu/mathematics/undergraduate-programs/>