

# MATHEMATICS AT RUTGERS

<http://www.math.rutgers.edu/undergrad/Major/>

## Honors/Awards/Scholarships within the Math Major

- five year M.A. – B.A. programs
  - Statistics
  - Operations Research
  - Industrial and Systems Engineering
  - Mathematics Education (K-12)
  - Mathematical Finance
- Departmental Honors
  - Graduation with honors
  - Honors Track
  - Senior project/thesis
  - Honors courses (requires application through department)
    - Mathematical Reasoning (640:300H) \*\*
    - Mathematical Analysis Sequence (640:411-412)
    - Abstract Algebra Sequence (640:451-452)
    - Freshman/Sophomore Seminar
    - Problem Solving Seminar
    - Junior Senior Seminar
- Scholarships
  - Weill Scholarship and Henry G. Sanders 1925 Memorial Scholarship in Mathematics
  - in the academic year 2012-2013 8 scholarships were awarded to math majors
- Awards/Prizes
  - William Lowell Putnam Undergraduate Mathematics Competition
  - Prize Exam
- graduate courses

## Job Opportunities for Students

- peer mentors \*\*
  - attend calculus recitations
  - grade homework/quizzes
  - after two semesters of experience you can be a TA for pre-calculus
  - more info and application: <http://www.math.rutgers.edu/~mentor/>
- grader for upper level courses

## Research and Independent Study Opportunities

- Directed Reading Program for Undergraduate \*\*
  - Undergraduate students are paired with graduate student mentors for a semester long independent study project. At the end of a semester each gives a brief presentation of their project to the DRP committee and other participants.
  - more information: <http://www.math.rutgers.edu/undergrad/Activities/drp/>
- Research Experience for Undergraduates (REUs)
  - Many institutions offer structured summer research programs in mathematics
  - They generally come with a stipend and travel expenses are usually covered by the REU
  - Most REUs involve presenting at a conference
  - For more information see: [http://www.nsf.gov/crssprgm/reu/list\\_result.jsp?unitid=5044](http://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5044)

## Extra Tips

- Get to know your professors and take advantage of their office hours!
- You are a product of your environment. Therefore, you should surround yourself with other motivated individuals in your field. For example, join clubs in your field of study.
- Have confidence and apply for any opportunity that can help you achieve your goal!

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