ARTS, SCIENCES & ENGINEERING

GRADUATE STUDIES

AT ROCHESTER
GRADUATE PROGRAMS

The School of Arts & Sciences and the Edmund A. Hajim School of Engineering & Applied Sciences offer graduate programs under the guidance of leading faculty who nurture academic excellence, advance the professional and personal growth of students, and value diversity and social responsibility.

MASTER'S PROGRAMS

- 17 Master of Arts or Master of Science degrees
- Most programs can be completed in 9-18 months, with thesis and non-thesis options
- Internship opportunities to complement study
- Tuition scholarships are available for outstanding applicants

PHD PROGRAMS

- 22 nationally-regarded programs across disciplines
- Funding for tuition and a stipend for all full-time students

• Alternative Energy (MS)
• Biology (PhD, MS)
  - Cellular, Developmental & Molecular
  - Ecology & Evolutionary
• Biomedical Engineering (PhD, MS)
  - Biomechanics
  - Biomedical Acoustics
  - Biomedical Optics
  - Biomedical Nanotechnology
  - Cell & Tissue
  - Medical Imaging
  - Medical Technology Innovation
  - Neuroengineering
• Brain and Cognitive Sciences (PhD)
  - Cognitive Neuroscience
  - Computational Cognition & the Brain
  - Language, Processing & Acquisition
  - Perception & Action
  - Learning, Development & Neural Plasticity
• Chemical Engineering (PhD, MS)
  - Advanced Materials
  - Biotechnology
  - Nanotechnology
  - Alternative Energy
• Chemistry (PhD)
  - Biologic
  - Organic
  - Inorganic
  - Physical
• Computer Science (PhD, MS)
  - Artificial Intelligence
  - Data Science
  - Human-Computer Interaction
  - Theory
  - Systems
• Economics (PhD)
• Electrical Engineering (PhD, MS)
  - Circuits & Computer Systems
  - Communications
  - Musical Acoustics & Signal Processing
  - Power & Smart Grids
  - Signal & Image Processing
  - Physical Electronics & Nanoprocessing
• English (PhD, MA)
• English: Selznick Film Preservation (MA)
• Geological Sciences (PhD, MS)
• History (PhD, MA)
• Linguistics (MA)
• Literary Translation (MA)
• Materials Science (PhD, MS)
• Mathematics (PhD)
  - Algebra & Number Theory
  - Analysis
  - Geometry
  - Probability
  - Topology
• Mechanical Engineering (PhD, MS)
  - Applied mechanics
  - Biomechanics
  - Fusion, Plasma & HEDP
  - Materials Sciences
  - Precision Machining & Optics Manufacturing
• Optics (PhD, MS)
• Philosophy (PhD)
• Photographic Preservation and Collections Management (MA)
• Physics & Astronomy (PhD)
  - Astronomy & Astrophysics
  - Atomic, Molecular & Optical Physics
  - Biological Physics
  - Condensed Matter Physics
  - High Energy/Nuclear Physics
  - High Energy Density Plasma & Laser Physics
• Psychology (PhD)
  - Clinical Psychology
  - Developmental Psychology
  - Social-Personality Psychology
• Political Science (PhD)
• Technical Entrepreneurship and Management (MS)
• Visual and Cultural Studies (PhD)

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GRADUATE STUDENT LIFE

Our vibrant graduate student community includes students and their families from across the United States and around the world. We strive to build community beyond the classroom and are committed to ensuring an inclusive and welcoming environment for all of our members.

• **Professional Development:** such as workshops and seminars on understanding the academy, excellence in teaching and learning, academic writing, communications, conflict management, and professional networking.

• **Graduate Student Association:** participates in major faculty and administrative committees, acts as an advocate for graduate students, and organizes regular academic, social, and cultural events.

• **Diversity at the University of Rochester:** The David T. Kearns Center at the University of Rochester promotes the successful engagement of a diverse student body in higher education. Students of all backgrounds can find resources and support from staff dedicated to the success of Rochester’s graduate student community.

2013 AS&E Graduate Enrollment at Fall Census

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Students</th>
<th>PhD/Masters</th>
<th>Domestic/International</th>
<th>Male/Female</th>
<th>Full-time/Part-time</th>
<th>Countries represented</th>
<th>Underrepresented minorities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Students</td>
<td>1,273</td>
<td>75%</td>
<td>25%</td>
<td>55%</td>
<td>45%</td>
<td>65%</td>
<td>35%</td>
</tr>
<tr>
<td>Countries represented</td>
<td>64</td>
<td></td>
<td></td>
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<tr>
<td>Underrepresented minorities</td>
<td>8%</td>
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</tbody>
</table>

FACULTY HIGHLIGHTS

**Jannick Rolland (Engineering)**
Spearheads the University’s research in freeform optics – a new technology that could transform 21st century optical science by developing a wider range of shapes for lenses and mirrors.

**Vasili Petrenko (Earth Science)**
Winner of a David and Lucile Packard Foundation fellowship, totaling $875,000, to expand research of climate and environmental change.
APPLYING

Admission to graduate study at the University of Rochester is based on a holistic, program-based review of your application materials. A common online application is used by all programs in Arts, Sciences, and Engineering. Most programs begin in September, and it is recommended that you apply by December of the preceding year.

To apply to the programs listed please create an account at apply.grad.rocheseter.edu/apply

General Application Material Requirements
It is expected that all application materials (with the exception of official score reports) be scanned and uploaded to your online application.

- Statement of Purpose
- Transcripts
- Standardized test scores*
- Resume/CV
- Current letters of recommendation
- Program specific requirements**

*The reporting of your GRE score is optional for the following programs: Biology, Computer Science, Electrical Engineering, Photographic Preservation and Collections Management.

**You are encouraged to visit the specific program website for additional information. The following programs require a writing sample: English, History, Literary Translation, Philosophy, Photographic Preservation and Collections Management, Visual and Cultural Studies, Linguistics, Political Science.

Please note that if English is not your first language, we do require an official English Language Test, preferably TOEFL or IELTS.

TUITION COST, FUNDING, AND HOUSING

Graduate tuition and fees at the University of Rochester are comparable to highly selective US private universities.

Current information about tuition, fees, and estimated living expenses: rochester.edu/college/gradstudies/incoming.html#expenses

Financial Aid for Graduate Students
enrollment.rochester.edu/financial/grads
The Financial Aid Office provides assistance to graduate students who are interested in obtaining federal or alternative loans to help fund their education. The University offers financial aid options such as tuition waivers, assistantships, and fellowships to outstanding students.

Housing
rochester.edu/reslife/graduate/index.html
University housing is available to graduate students. Information about both on-campus and off-campus housing is available at the website listed above.
In all sectors, from academia to industry to the arts to government, our alumni take the challenge of making the world Ever Better to heart. Over 400 of our PhDs from across disciplines hold faculty positions at schools and universities ranked among the top 25 in the nation.

In addition to contributing to the advancement of knowledge, alumni of Rochester’s graduate programs assume leadership roles in academia as deans, department chairs, and program directors. Alumni have also entered the world of industry in roles as diverse as senior vice president and director of research at IBM, president of the NCAA, senior vice president for advanced technology and research at Microsoft, curator of contemporary art at the St. Louis Museum of Art, Edgar Award-winning mystery novelist, and senior scientist at the Carnegie Institute.

LIVING IN ROCHESTER


Just over 1,000,000 people live and play in the greater metropolitan area, and the City of Rochester is frequently recognized among the nation’s best with respect to quality of life. With educational, cultural, and recreational resources in the quantities and of the quality found in much larger cities, you will have no trouble finding outlets for your interests.

Among locals, it is a known fact that you are never more than 20 minutes from Lake Ontario, cooperative markets, art galleries, the Erie Canal Bike Path, independent record stores, boutiques, ethnic eateries, and much more.

Rochester has grown as a corporate, tech, and college town whose warm and diverse residents are never bored. The city’s hotspots include the Memorial Art Gallery, professional sports venues, the National Museum of Play, and the George Eastman House International Museum of Photography and Film.
CONTACT INFORMATION

rochester.edu/college/gradstudies

ADDRESS
University of Rochester
Arts, Sciences and Engineering Graduate Studies Office
Lattimore 218-222
P.O. Box 270401
Rochester, NY 14627

EMAIL
graduate.admissions@rochester.edu

PHONE
(585) 275-2059

Schools and Colleges of the University of Rochester
rochester.edu

Eastman School of Music
esm.rochester.edu

School of Medicine and Dentistry
urmc.rochester.edu/smd

School of Nursing
son.rochester.edu

Simon Business School
simon.rochester.edu

Margaret Warner Graduate School of Education and Human Development
warner.rochester.edu