RIT has emerged as one of the world’s leading centers for research on unmanned aircraft systems (drones).
RIT is a place where brilliant minds assemble and collaborate, where they pool together their individual talents across disciplines in service of big ideas and creative solutions.

It is a vibrant community teeming with students collaborating with experts and specialists: a hub of innovation and creativity. It is an intersection of disciplines, a launching pad for a brilliant career, and a highly unique state of mind.

It is a perfect environment in which to pursue your passion. Here, the future is envisioned each day. And remade each day after.

Imagine the possibilities.
Innovative specialized programs
Few universities provide RIT’s variety of career-oriented studies. RIT’s unmatched array of academic programs attracts designers, artists, photographers, and filmmakers on the one hand, and scientists, engineers, computing scientists, and entrepreneurs on the other. When you connect these students with RIT’s outstanding faculty, a learning environment is created where innovation and creativity flourish.

Experience counts
Since 1912, the hallmark of an RIT education has been experiential learning. RIT was among the first universities in the world to offer cooperative education. Last year, more than 4,400 co-op students alternated periods of study on campus with paid employment in nearly 2,300 firms across the United States and overseas. Today, experiential learning also includes internships, study abroad, and undergraduate research.

Jump-start your career or take time to explore
RIT is one of the few universities where you can immerse yourself in your major from day one. Or, if you need time to explore your options, undeclared options are available at both the university and college levels. If your interests span two or more colleges within RIT, the University Exploration program offers students up to one year to focus their academic and career interests. (See p. 52 for more information.) If your interests fall within one college, but you are not sure of your major, most colleges offer undeclared or exploration options to help you discover more about the majors within the college.

Engaging faculty
Excelling in research and excelling in teaching, our faculty are passionate about their disciplines and their role in both the lab and the classroom. They are innovative and resourceful. They engage students in the process of discovery and the contribution of new knowledge to their fields.

Outstanding facilities
Our strong reputation for state-of-the-art academic facilities is rightly earned. RIT has invested more than $300 million in the renovation and construction of new academic and student life facilities over the past few years to accomplish a remarkable transformation. You’ll find outstanding facilities and equipment in every area of campus, and our commitment to student success ensures that these facilities are accessible when you need them.

Global, vibrant community
RIT attracts students from every state and nearly 2,700 international students from more than 100 countries. Embodying our commitment to diversity, more than 3,200 students of color have elected to study at RIT. Adding a social and educational dynamic not found at any other university are more than 1,100 deaf and hard-of-hearing students supported by RIT’s National Technical Institute for the Deaf.

The variety of backgrounds and perspectives represented in the RIT community enriches the living and learning experience for all. As you interact on team-based projects, in residence halls, and in day-to-day activities, we believe you will be enriched and better prepared for the opportunities and challenges of global interdependence.
## MAJORS

(Bachelor’s degree programs only. For accelerated dual-degree programs, see p. 14.)

### College Key

- College of Art and Design
- Saunders College of Business
- B. Thomas Golisano College of Computing and Information Sciences
- Kate Gleason College of Engineering
- College of Engineering Technology
- College of Health Sciences and Technology
- College of Liberal Arts
- National Technical Institute for the Deaf
- College of Science

§ NTID programs are listed on p. 38. Qualified deaf and hard-of-hearing students may enroll in RIT bachelor’s degree programs with full support of NTID’s access services.

### Art, Design, & Crafts

- 3D Digital Design
- Graphic Design
- Illustration
- Industrial Design
- Interior Design
- Medical Illustration
- New Media Design
- Studio Arts—
  - Ceramics Option
  - Expanded Forms Option
  - Furniture Design Option
  - Glass Option
  - Metals and Jewelry Design Option
  - Non-Toxic Printmaking Option
  - Painting Option
  - Sculpture Option

### Business & Management

- Accounting
- Economics
- Finance
- Hospitality and Tourism Management
- International Business
- Management
- Management Information Systems
- Marketing
- New Media Marketing
- Supply Chain Management

### Communications & Digital Media

- Advertising and Public Relations
- American Sign Language—English Interpretation
- Communication
- Digital Humanities and Social Sciences
- Journalism
- Media Arts and Technology
- New Media Design
- New Media Interactive Development
- New Media Marketing

### Computing & Information Sciences

- Computer Engineering
- Computer Science
- Computing and Information Technologies
- Computing Security
- Game Design and Development

### Humanities & Social Sciences

- Applied Modern Language and Culture—
  - Chinese Option
  - Japanese Option
  - Spanish Option
- Criminal Justice
- Digital Humanities and Social Sciences
- Economics
- International and Global Studies
- Museum Studies
- Philosophy
- Political Science
- Pre-law
- Psychology
- Public Policy
- Sociology and Anthropology

### Individualized Study

- Applied Arts and Sciences

### Mathematics & Physical Sciences

- Applied Mathematics
- Applied Statistics and Actuarial Science
- Biochemistry
- Chemistry
- Computational Mathematics
- Imaging Science
- Physics

### Photography, Film & Animation

- Film and Animation—
  - Animation Option
  - Production Option

### Exploration & Undeclared Options

- University Explorations
- Undeclared Art and Design
- Business Exploration
- Computing Exploration
- Engineering Exploration
- Engineering Technology Exploration
- Film and Animation Exploration
- Liberal Arts Exploration
- Undeclared Photography
- Science Exploration

* See p. 15 for more information
† Offered by the School of Individualized Study in the University Studies Division. See p. 42 for more information.
‡ Offered by the University Studies Division for students exploring programs in two or more colleges

Information is correct at time of printing.
MINORS AND IMMERSIONS

Minors

Students pursuing a bachelor’s degree have the option of completing a minor—a set of five or more related courses. A minor can complement your major, help you develop another area of professional expertise, or enable you to pursue an area of personal interest. Completion of one of RIT’s more than 90 minors is formally designated on your baccalaureate transcript, which serves to highlight your accomplishment to employers and graduate schools. For the most recent list of minors, please visit rit.edu/minors.

Art, Design and Crafts

- American Art
- Art History
- Media Arts and Technology
- Visual Culture

Business and Management

- Accounting
- Business Administration
- Construction Management
- Digital Business
- Engineering Management
- Entrepreneurship
- Finance
- Hospitality Management
- Innovation
- International Business
- Management
- Management Information Systems
- Marketing
- Supply Chain Management

Communications and Digital Media

- Advertising and Public Relations
- American Sign Language and Deaf Cultural Studies
- Communication
- Digital Literatures and Comparative Media
- Health Communication
- Journalism

Computing and Information Sciences

- Bioinformatics Analysis
- Computer Science
- Computing Security
- Database Design and Development
- Free and Open Source Software and Free Culture
- Game Design
- Game Design and Development
- Geographic Information Systems
- Health IT
- Mobile Design and Development
- Mobile Development
- Networking and Systems Administration
- Software Engineering
- Web Design and Development
- Web Development

Engineering, Engineering Technology

- Chemical Engineering Systems Analysis
- Computer Engineering
- Electrical Engineering
- Flexible Packaging
- Industrial Engineering
- Mechanical Engineering
- Microelectronic Engineering
- Packaging Science
- Software Engineering
- Structural Design

Environmental Studies and Sustainability

- Environmental Modeling
- Environmental Science
- Environmental Studies
- Sustainable Product Development
- Water Resources

Health and Life Sciences

- Biology
- Biology: Cellular and Molecular
- Biology: Ecology and Evolution
- Exercise Science
- Health and Culture
- Nutritional Sciences

Humanities and Social Sciences

- African Studies
- American Politics
- Anthropology and Sociology
- Archaeological Science
- Archaeology
- Black Studies
- Creative Writing
- Criminal Justice
- Cultural Anthropology
- Diversity in the U.S.
- Economics
- English
- Ethics
- Global Justice
- Global Literatures and Cultures
- Globalization
- Globalization Theory
- History
- Human Language Technology and Computational Linguistics
- International Relations
- Language Science
- Latino/Latina/Latin American Studies
- Legal Studies
- Linguistic Anthropology
- Military Studies and Leadership
- Modern Language (Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, Spanish)
- Modern Languages and Cultures (Arabic, Chinese, French, German, Italian, Japanese, Portuguese, Russian, Spanish)
- Museum Studies
- Music
- Music Performance
- Music and Technology
- Native American and Indigenous Studies
- Philosophy
- Political Science
- Psychology
- Public Policy
- Religious Studies
- Renaissance Studies
- Science and Technology Studies
- Science, Technology, and Society
- Social Inequalities
- Theater Arts
- Urban Studies
- Women's and Gender Studies

Mathematics and Physical Sciences

- Applied Statistics
- Astronomy
- Chemistry
- Geographic Information Systems
- Imaging Science
- Imaging Systems
- Mathematics
- Optical Science
- Physics

Photography, Film, and Animation

- Film Studies
- Media Arts and Technology
- Science of Film, Photography, and Imaging

RIT's missions are to prepare students for successful careers and productive lives in a rapidly changing and complex world, to advance knowledge through research and scholarship, and to contribute to the public good.

Immersions

As a part of their bachelor’s degree requirements, students must complete an immersion—a concentration of three courses in a particular area. These upper-level courses are used to meet RIT’s general education requirements and provide you with course work in a specialized area that can enhance and complement your major or allow you to explore a personal interest. For the most recent list of immersions, please visit rit.edu/immersions.
Teaching comes first
This is a place where faculty enjoy interacting with students—not only in class or during office hours but in the dining halls, in the coffee shop at the library, or at the Student Life Center. It’s a friendly but challenging environment, and our faculty’s approach to teaching makes it so. Our faculty have extensive experience in the classroom and their professional fields. Their real-life experiences and their involvement in applied research and consulting means that their teaching is well informed and up to date. They’ll talk with you about career choices and graduate school. Our professors think about your future almost as much as you do, and they are committed to your success.

Here are a few examples of our outstanding faculty:

Alex Lobos, associate professor and graduate director in the department of industrial design, is a Fulbright Scholar and recipient of the Fusion 360 Education Award and the Frank J. Romano Innovative 3D Project Award. The author of many publications on sustainable design, user experience, and interdisciplinary design education, Lobos has received numerous corporate grants for design research and sponsored student projects.

Sandra Rothenberg, an associate professor of management and a Zutes Faculty Fellow, is conducting a study of environmental activists who changed careers to work in industry. Much of her interest focuses on corporate environmental strategy and management as well as environmental activism within companies. In addition to researching environmental management, she heads the Joan Rothenberg Family Foundation, which supports organizations that promote environmental protection.

Manuela Campanelli, professor in the School of Mathematical Sciences, was part of a team that put none other than Albert Einstein to the test. Campanelli’s team validated the discovery of gravitational waves from colliding black holes. The signal matched their simulations of colliding black holes on supercomputers.

A recipient of the RIT Trustee’s Scholarship Award (2013-2014), Campanelli is a Principal Investigator in multiple NSF- and NASA-funded research projects, a member of the LIGO Scientific Collaboration, and has served in numerous panels at the NSF and NASA.

Keith Jenkins, Eisenhart Award winner and associate professor of communication in the College of Liberal Arts, says, “I want students to believe that they can follow their passions and be successful, while also instilling the idea that thoughtful and committed people can change the world.” Jenkins has focused on engaging students in the classroom, through experiential learning opportunities and through his research work, which includes a study of the impact of race on rhetoric and an analysis of the public speeches of President Barack Obama.

To learn more about our faculty, visit rit.edu/facultyscholarship.

Enthusiasm and commitment to teaching are undeniable characteristics of RIT’s faculty. From graphic artists and engineers to scientists and management specialists, they will spark your curiosity, challenge you to grow, and inspire you to achieve your dreams.
Reginald Rogers, Kate Gleason College of Engineering

Reginald Rogers, assistant professor of chemical engineering, helps the next generation of chemical engineers face challenges through teaching and mentoring. “I try to set up situations in the classroom where students can be challenged, not only by course information, but also about how to adapt to changing situations. To be a seasoned engineer takes patience. I want them to be common-sense engineers.”

L. Kate Wright, College of Science

L. Kate Wright, associate professor of biotechnology and molecular bioscience, tries different engagement strategies in her courses, and as a result, her classrooms are student-centered and active. “I like when students come up with questions that I hadn’t even thought of, and when we can answer them together, it’s even better.”

Zachary Butler, B. Thomas Golisano College of Computing and Information Sciences

Zachary Butler, associate professor of computer science, sees teaching as a puzzle—one in which he is trying to figure out the best way to help each student understand a concept. “I encourage all my students to tell me if they don’t understand something, because I want them to know I’ll do whatever it takes to make sure everyone gets it.”

Katie Terezakis, College of Liberal Arts

Katie Terezakis, associate professor of philosophy, believes that teaching keeps you honest. “You cannot stand in front of people, day after day, without clarifying what you really mean, deciding which ideas and values work and which do not, and updating your own studies accordingly.”

Each year, RIT recognizes members of the faculty who have done the most to enhance student learning with the Eisenhart Award for Outstanding Teaching. Four recent award winners share their views on their roles as mentors and teachers.
State-of-the-art campus
At RIT, we understand how technology enhances creativity and innovation. Our campus has the latest equipment, software, studios, laboratories, and conveniences—the tools you need to explore and excel. We help you utilize the latest technology and understand its impact on the world.

RIT is “connected”
There’s no question that we have a sophisticated, high-tech campus. *The Princeton Review* consistently ranks RIT among the most connected campuses in the country. Whether you’re in the classrooms, labs, residence halls, or public areas, we provide free, direct, high-speed computing access that is hard to beat.

A welcoming, sustainable environment
RIT is much more than its high-quality academic facilities; it offers many welcoming spaces on campus. You’ll find vibrant locations for social and intellectual activity just about everywhere you look. The physical beauty of the campus comes from an interplay of natural and park-like settings with modern buildings, architectural features, and artwork prominently on display. Comfortable spaces offer places to relax or work on projects and team assignments.

In addition, our community of more than 20,000 students, faculty, and staff has made a commitment to advance sustainability in all areas—in academic programs and research initiatives, in our campus operations and consumption practices, and in efforts to promote social sustainability within the RIT family. By making the campus more environmentally friendly and by engaging in and learning more about sustainable practices, we can take steps now to ensure that the campus, the Rochester area, and the greater world in which we live will be cleaner, healthier, and more livable tomorrow than they are today.

In short, you’ll find that our commitment to student success and sustainability is captured throughout the campus’s outstanding academic and community facilities.
Career Success

EXPERIENCE MATTERS.

Students learn best by doing. As a world leader in experiential education, RIT academic programs feature distinct and diverse opportunities to apply classroom education to real-world problems and projects.

Experience that makes a difference
At RIT, rigorous, cutting-edge academic programs, outstanding faculty, and first-rate classroom and laboratory facilities provide you with a great educational experience. But today’s world demands more. You need to be prepared for the real challenges and opportunities you will experience once you’ve graduated. Your education must be relevant and tested in real-world settings and on real-world problems before you graduate. Experiential education allows you to do that—and more. Taken all together, this means positive outcomes from your RIT experience.

For each of the last three years, approximately 95 percent of RIT graduates enter either the workforce or graduate study within 6 months of graduation. For more information about RIT’s outcomes rates and career trends, visit joboutlook.rit.edu.

Cooperative education
Since 1912, cooperative education (co-op) has been the most extensive and intensive of RIT’s experiential education opportunities.

Co-op is full-time, paid work experience directly related to your course of study and career interests. Many academic programs require co-op, while others make it available on an optional basis. Last year, students generated more than $45 million in earnings through their employment with industry, business, government, and the not-for-profit sector. The bottom line is that employers and graduate schools prefer students with related experience.

Internships
Many academic programs offer students the opportunity to gain career-related work experience through internships. Other academic programs offer internship opportunities in addition to co-op. While co-op assignments are full-time paid positions, internships may not pay a salary or require a full-time work schedule. Also, in some instances, internship credits are required in the academic major.

Undergraduate research
Over the past year, research conducted at RIT has produced cutting-edge results, including one of the first studies on child abuse in the deaf community, a report on the use of social networks to spread computer viruses, and the creation of novel 3-D interfaces. And, undergraduate students were the brains behind all of them. Undergraduate research is an important component of the university’s educational and scholarship mission, and work being conducted by students mimics the university’s increasingly diverse and relevant research portfolio. RIT provides a wide variety of undergraduate research opportunities, including the Simone Center for Student Innovation and Entrepreneurship, the Biological Sciences Research Scholars Program, the Chemistry Research Scholars Program, Economics Undergraduate Research, Undergraduate Research in Mathematics, and the Undergraduate Research Symposium. During the 2015 Undergraduate Research Symposium, more than 200 students participated in presentations and poster sessions. For more information, see www.rit.edu/research/symposium.

Study abroad
There’s no better way to gain an understanding of another culture than to experience it firsthand. To prepare you for success in our global society, RIT offers a range of exciting study abroad opportunities that expands your horizons in every sense. You can immerse yourself in another culture through our Study Abroad programs offered in cooperation with RIT Croatia, Queens University (England), University of Osnabrück (Germany), or Kanazawa Institute of Technology (Japan). In programs affiliated with other institutions, RIT students also have the opportunity to study in Italy, Spain, France, Ireland, Australia, China, Kenya, New Zealand, Germany, Greece, and other international locations. For more information, please visit www.rit.edu/studyabroad.

Co-op by the Numbers

<table>
<thead>
<tr>
<th>4,400+</th>
<th>6,200+</th>
<th>2,300</th>
<th>50</th>
<th>40</th>
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</thead>
<tbody>
<tr>
<td>STUDENTS PLACED IN</td>
<td>CO-OP ASSIGNMENTS WITH NEARLY</td>
<td>EMPLOYING ORGANIZATIONS IN ALL</td>
<td>STATES AND IN</td>
<td>COUNTRIES</td>
</tr>
</tbody>
</table>
A sample of our nearly 2,300 employer partners that hire for co-ops, internships, and permanent placement includes:

<table>
<thead>
<tr>
<th>Company</th>
<th>Company</th>
<th>Company</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Playable Productions, LLC</td>
<td>General Electric</td>
<td>NASA</td>
<td>Northrop Grumman</td>
</tr>
<tr>
<td>Amazon</td>
<td>GM Components Holding</td>
<td>Northrop Grumman</td>
<td>NASA</td>
</tr>
<tr>
<td>Anheuser-Busch</td>
<td>Google</td>
<td>Ortho-Clinical Diagnostics</td>
<td>Paychex</td>
</tr>
<tr>
<td>Apple Computer</td>
<td>Harris Corporation</td>
<td>PCC</td>
<td>Philips North America</td>
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<tr>
<td>BAE</td>
<td>Hasbro</td>
<td>Qualcomm</td>
<td>Qualcomm</td>
</tr>
<tr>
<td>Bendix</td>
<td>The Hershey Company</td>
<td>SpaceX</td>
<td>Thomson/Reuters</td>
</tr>
<tr>
<td>Boeing</td>
<td>Honda</td>
<td>Toyota</td>
<td>Toyota</td>
</tr>
<tr>
<td>Bosch</td>
<td>Iberdrola</td>
<td>Unilever</td>
<td>Unilever</td>
</tr>
<tr>
<td>Bose</td>
<td>IBM</td>
<td>United Technologies</td>
<td>University of Rochester</td>
</tr>
<tr>
<td>Carestream Health</td>
<td>Intel</td>
<td>Walt Disney World</td>
<td>Wegmans Food Markets</td>
</tr>
<tr>
<td>CENG</td>
<td>Intuit</td>
<td>Welch Allyn</td>
<td>Xerox</td>
</tr>
<tr>
<td>CIA</td>
<td>ITT Corporation</td>
<td></td>
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<tr>
<td>Cisco Systems</td>
<td>Johnson &amp; Johnson</td>
<td></td>
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<tr>
<td>Deloitte &amp; Touche</td>
<td>JPMorgan Chase</td>
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<tr>
<td>Delphi</td>
<td>L-3 Communications</td>
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<tr>
<td>Ernst &amp; Young</td>
<td>Lockheed Martin</td>
<td></td>
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<tr>
<td>Fidelity Investments</td>
<td>Microsoft</td>
<td></td>
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<tr>
<td>Fisher Price</td>
<td>MIT Lincoln Laboratory</td>
<td></td>
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<tr>
<td>General Dynamics</td>
<td>MOOG</td>
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</tbody>
</table>

In addition to many other services, the Office of Career Services and Cooperative Education sponsors a spring and fall career fair for co-op, internship, and permanent placement.

Office of Career Services and Cooperative Education

- Ranked by *The Princeton Review* in the Top 10 for career services, the office provides centralized “one-stop” career services for RIT students and alumni.
- More than 10,000 positions are posted through the office and nearly 6,000 on-campus interviews are conducted annually.
- Nearly 2,300 employers partner with the office to access the more than 3,000 graduates and 4,400 co-op students that are produced each year.
- The office utilizes cutting-edge technology to make its services and critical career-related content available to students and alumni at their convenience.

Here is a recent sample of the more than 300 graduate schools attended by our recent alumni:

- Boston University
- Carnegie Mellon University
- Case Western Reserve University
- Cornell University
- Drexel University
- Duke University
- Georgia Institute of Technology
- Harvard University
- Johns Hopkins University
- Massachusetts Institute of Technology
- New York University
- Northeastern University
- Ohio State
- Penn State
- The Pennsylvania University
- Rhode Island School of Design
- Rochester Institute of Technology
- School of Visual Arts
- Syracuse University
- University at Buffalo
- University of California, Berkeley
- University of Maryland
- University of Michigan
- University of Rochester
- University of Virginia
- Virginia Tech
Career Success

GOLD-PLATED CAREERS. FORGED FROM ORANGE AND BROWN.

Hit the ground running. We take your career success very seriously. The career-focused education provided by RIT coupled with our unparalleled commitment to experiential learning means you will be sought after by many top employers and graduate schools.

Superior outcomes
Each year RIT gathers information about the career plans of its graduates in accordance with national standards established for the National Association of Colleges and Employers (NACE). These outcomes reflect the career activities of graduates within 6 months of their degree certification. Trending career outcomes data suggest demand for RIT graduates remains very strong. Over the past three years the overall outcomes rate for graduates in all degree programs averaged 95%. Additional information can be found at joboutlook.rit.edu.

Outstanding support
The Princeton Review has ranked our Office of Career Services and Cooperative Education among the top 10 in the nation. The office has a dedicated staff available for students and alumni in all academic programs, at all stages of their career. The office provides comprehensive services to students preparing for co-op/experiential education and for graduation that includes tailored orientations, workshops, and one-on-one advisement. It also plans and promotes events such as career fairs, workshops, and speakers from industry.

Notable alumni
Our more than 125,000 alumni make an impact on the world. From the beginning, RIT has been preparing students for success in a broad range of fields. You will find prominent RIT alumni making their mark in a variety of fields including government, science, technology, arts, media, business, engineering, and more. Their impact and achievement are illustrated by the alumni listed at right:

- Eric Avar ’90, Vice President of Design Innovation at Nike
- Terry Clapham ’71, “Founding father” of excimer laser vision correction, Co-Founder, VISX, Inc.
- Gale Gand ’81, Cookbook author, chef, and host of TV Food Network’s “Sweet Dreams”
- John R. Hartmann ’85, President and CEO, True Value Company
- Jim Hasman ’01, Production Manager at Walt Disney Pictures
- Alex Kipman ’01, Technical fellow, Microsoft; lead product innovator for Microsoft Kinect and HoloLens
- Rick Kittles, Ph.D. ’89, Genetic biologist; co-founder of African Ancestry, Inc.
- Brittney Lee ’06, Visual development artist on Disney’s “Frozen”
- Katie Linendoll ’06, TV host, producer, and sports-tech expert at ESPN, ESPN.com, and ESPN The Magazine. Tech expert on A&E’s “We Mean Business”; contributor on the”Today Show” and CNN
- Gary Mack ’93, Director of Visual Strategy and Presentation, National Basketball Association
- John Resig ’06, Creator of the jQuery JavaScript Library; Dean of Computer Science for Khan Academy; software engineer and entrepreneur
- Susan J. Riley ’81, CFO, Vestis Retail Group, owners of Bob’s Stores, Eastern Mountain Sports, and The Sports Chalet
- Sophie Schillaci ’10, Los Angeles-based entertainment reporter, producer, writer, and on-air host
- Jen Stratton ’05, Visual effects artist; part of the team of VFX artists that created the Bengal tiger in the Oscar winning “Life of Pi”
- Steven Van Slyke ’88, Co-inventor of organic light emitting diode (OLED) displays used in smartphones, digital cameras, and HD and Ultra HDTVs; Chief Technology Officer, Kateeva

Class of 2017 Outcomes Information (bachelor’s degree recipients)

<table>
<thead>
<tr>
<th>Outcomes Rate</th>
<th>Employed</th>
<th>Further Full-time Study</th>
<th>Alternative Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>95.4%</td>
<td>83.6%</td>
<td>8.8%</td>
<td>3.0%</td>
</tr>
</tbody>
</table>

Bachelor’s degrees awarded: 2,495

Outcomes rate describes the percentage of graduates who have entered the workforce, enrolled for further full-time study, or are pursuing alternative plans. Alternative plans include military service, volunteer service, and those not seeking employment at this time.

Knowledge rate: 90.4% (The percentage of graduates for whom RIT has verifiable information)

Pulitzer Prize-winning photographers:
- Paul Benoit ’76
- Robert F. Bukaty ’82
- David Carson ’94
- Ken Geiger ’85
- Stan Grossfeld ’73
- Dan Loh ’95
- William Snyder ’81
- Anthony Suau ’78
- David Wallace ’01

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- Stan Grossfeld ’73
- Dan Loh ’95
- William Snyder ’81
- Anthony Suau ’78
- David Wallace ’01
ACCELERATED DUAL-DEGREE PROGRAMS

If you’re looking for a way to distinguish yourself from the crowd, you may want to combine undergraduate and graduate in accelerated options such as BS/MS, BS/ME, or 4+1 MBA degree programs. These dual-degree programs allow you to earn both a bachelor’s and a master’s degree in less time than it would normally take to complete each degree separately. For example, you might combine a BS in industrial engineering with a business MBA in a five-year period, or you might complete both a BS and an MS in public policy in five years. Most accelerated programs require completion of freshman and sophomore course work at RIT before applying for admission.

MBA
4+1* MBA Program

BS/MS or BS/ME (One discipline)
Applied Statistics and Actuarial Science/Applied Statistics
Bioinformatics
Chemistry
Computational Mathematics/Applied and Computational Mathematics
Computer Engineering
Computer Science
Computing Security
Criminal Justice
Electrical Engineering
Environmental Science
Environmental Sustainability, Health and Safety/Environmental Health and Safety Management
Game Design and Development
Industrial Engineering/Industrial and Systems Engineering
International and Global Studies/Science, Technology and Public Policy
Manufacturing Engineering Technology/Manufacturing and Mechanical Systems Integration
Mechanical Engineering
Mechanical Engineering Technology/Manufacturing and Mechanical Systems Integration
Physician Assistant
Physics/Astrophysical Sciences and Technology
Software Engineering

BS/MS or BS/ME (Two disciplines)
Applied Mathematics/Applied and Computational Mathematics
Applied Statistics and Actuarial Science/Applied and Computational Mathematics
Biomedical Engineering/Science, Technology, and Public Policy
Business Administration–Accounting/Accounting
Chemical Engineering/Science, Technology, and Public Policy
Chemical Engineering/Materials Science and Engineering
Chemistry/Materials Science and Engineering
Computational Mathematics/Computer Science
Computer Engineering/Science, Technology and Public Policy
Computer Engineering Technology/Computer Science
Computer Science/Computing Security
Computer Science/Software Engineering
Computing Security/Science, Technology, and Public Policy
Electrical Engineering/Science, Technology and Public Policy
Electrical Mechanical Engineering Technology/Manufacturing and Mechanical Systems Integration
Environmental Science/Science, Technology and Public Policy
Industrial Engineering/Engineering Management
Industrial Engineering/Industrial and Systems Engineering
Industrial Engineering/Science, Technology and Public Policy
Industrial Engineering/Sustainable Engineering
Mechanical Engineering/Science, Technology, and Public Policy
Microelectronic Engineering/Materials Science and Engineering
Electrical Engineering/Science, Technology, and Public Policy
Physics/Materials Science and Engineering
Physics/Science, Technology, and Public Safety
Public Policy/Science, Technology, and Public Policy
Software Engineering/Computing Security
Software Engineering/Computer Science

* Through careful planning and academic advising, students can waive certain MBA foundation courses, allowing them to earn their MBA in one additional year.

THE UNIVERSITY SERVICES CENTER was one of the first LEED Platinum certified college or university facility in New York state. The building’s centerpiece is the circular, glass-enclosed Center for Student Innovation, which serves as a showcase for innovative, multidisciplinary projects, and activities.
Academic Enrichment

THINK FOR YOURSELF.
WE’LL HELP WITH THE REST.

Accelerated dual-degree programs, pre-professional studies, Honors Program, and entrepreneurship … these are prominent among many opportunities to enrich and expand your undergraduate experience.

Pre-professional studies
If you are interested in pre-professional studies (pre-law, pre-med, and pre-health professions), RIT has a long history of preparing graduates for entrance to some of the nation’s most prestigious institutions.

If you are interested in pursuing law school, you can enroll in any major at RIT, and are encouraged to develop basic skills such as language and communication, creative problem solving, a basic understanding of ethical theory and theories of justice, and critical thinking. In addition, you can join Phi Alpha Delta Law Fraternity International and/or the RIT Prelaw Association. Law schools attended by RIT graduates include: Cornell Law School, Stanford University Law School, University of Chicago, Boston University School of Law, NYU School of Law, and Emory University School of Law.

If your goal is medical school or one of the other health profession schools (dentistry, optometry, pharmacy, or veterinary), RIT’s premedical studies and pre-health professions advisory program is available to you regardless of your major. The advisory program provides you with the guidance, assistance, and information you will need to complete the admissions requirements for graduate programs in the medical and health professions. Schools where our graduates have successfully been admitted for further study in the medical and health professions include Johns Hopkins University, University of Rochester, Stanford University, Tulane University, Georgetown University, and Case Western Reserve.

In addition, RIT has Early Acceptance Program agreements with Lake Erie College of Osteopathic Medicine (LECOM). These agreements include LECOM’s schools of Medicine, Pharmacy, and Dental Medicine. For more information, go to www.lecom.edu/early-acceptance-programs.

Honors Program
The Honors Program admits approximately 150 entering freshmen each year. The Honors Program features several distinctive and complementary components:

• Honors courses
• Research and professional development
• Complementary learning experiences (annual volunteering and community service projects)
• Honors advising and mentoring
• Honors residence

Outstanding upperclass students who have distinguished themselves academically and as contributing members of the campus community also may apply for sophomore or junior admission to the Honors Program after enrolling at RIT.

Innovation and entrepreneurship
RIT has long been a center for innovation, creativity, and entrepreneurship. The range of activities is extensive and includes:

• RIT Innovation Hall of Fame
• Simone Center for Student Innovation and Entrepreneurship
  - Venture Creations
  - Student Incubator
  - RIT Business Incubator
• Tiger Tank Annual Student Competition
• RIT 48: Entrepreneurial Boot Camp
• Entrepreneurs Hall—a residential community devoted to entrepreneurship
Globally Recognized

WHEN YOU REMAKE THE WORLD, THE WORLD TENDS TO NOTICE.

Don’t just take our word for it. Our reputation as one of the world’s top universities has been acknowledged by many leading college guides, industry, and internationally respected publications. As you search for the right university, consider what others have to say about RIT.

RIT is featured in the 2017 edition of The Princeton Review’s Colleges That Create Futures: 50 Schools That Launch Careers by Going Beyond the Classroom.

“RIT is laser-focused on creating students that are more than prepared to enter the job force. In fact, the RIT Class of 2015 boasts an enviable 95 percent undergraduate outcomes rate—the percentage of graduates who have entered the workforce, enrolled in further study, or are pursuing alternative plans (like military or volunteer service).”

The 2018 edition of U.S. News & World Report Best College Best Colleges rankings ranked RIT 97th among national universities. Other rankings by U.S. News & World Report include:

• 41st among national universities for “Great Schools, Great Prices.” The calculation compares a school’s academic quality to the net cost of attendance for a student who receives the average level of financial aid.
  
• Tied for 61st among engineering colleges programs where the highest degree is doctorate.
  
• Tied for 64th among undergraduate business programs.

• Among 20 universities that have excellent programs that encourage students to apply classroom learning in the classroom to work in the real world through closely supervised internships or practicums, or through cooperative education.
  
• Tied for 39th among national universities in a national survey of “High School Counselors Top College Picks.”
  
• RIT ranked second nationally as one of the key schools companies prefer when recruiting and hiring in critical skill areas for the aerospace and defense industries, according to Aviation Week’s annual “Workforce Study.”

• The game design and development program was ranked fifth nationally for undergraduate programs and seventh nationally for graduate programs in the “Top Schools for Video Game Design for 2018” by The Princeton Review.

• The National Science Foundation has recognized our College of Science as a national site for undergraduate research.

• Among 20 universities that have excellent programs that encourage students to apply classroom learning in the classroom to work in the real world through closely supervised internships or practicums, or through cooperative education.
  
• Tied for 39th among national universities in a national survey of “High School Counselors Top College Picks.”

• The National Science Foundation has recognized our College of Science as a national site for undergraduate research.

• “This is a fast-paced, high-tech school for go-getters who already know where they want to be. After a rigorous education, more than 90 percent of RIT graduates go into the job market, with a significant boost from the school’s cooperative education program.”
  —Fiske Guide to Colleges

• BusinessWeek named RIT among the top programs in North America. RIT is distinguished for “graduating the innovators companies hunger for.”

• The Princeton Review ranks RIT among its 25 Most Connected Campuses for computing resources and lists the university in its 2018 “Best 384 Colleges” and its 2017 “Guide to 375 Green Colleges.”

• “RIT is rich in treasures at a price that, with the help of cooperative education earnings, doesn’t send most of the students or their families to the poorhouse.”
  —Barron’s Best Buys in College Education

• “For science and technology, RIT is a superior choice. RIT also has an excellent liberal arts program since students must understand both technological developments and philosophical and ethical issues presented by technology.”
  —Guide to 101 Best Values in America’s Colleges and Universities

• At both the undergraduate and graduate levels, RIT’s industrial design program was ranked in the top three of “America’s Best Architecture & Design Schools 2012” by Design Intelligence magazine.
After the catastrophic earthquake that rocked Haiti, RIT engineering students developed a cook stove that utilizes thermoelectrics modules and a simple blower. With its sustainable, easy-to-use design, the team won honorable mention in a national design competition sponsored by the Environmental Protection Agency.

A team of RIT students and instructors documented the invasion of lionfish in the waters off Bonaire, an island in the South Caribbean. They conducted a series of dives as part of a study abroad program in advanced underwater photography and videography.

A NEW HAND FOR LUCAS
In 2013, Professor John Schull created the online community e-NABLE, a group that aims to advance the development of affordable prosthetic devices for people around the world like Lucas. Using 3D printers, open source designs, and a little bit of ingenuity, Schull and a group of students are helping to advance the quality and affordability of prosthetic devices and make them available to everyone.
Imagine RIT: Innovation and Creativity Festival

EXPECT THE UNEXPECTED.

Each year, RIT demonstrates its leadership in innovation and creativity by sponsoring the Imagine RIT: Innovation and Creativity Festival, a campus-wide event that showcases the innovative and creative spirit of our students, faculty, and staff.

Innovation and creativity showcase

For the past 11 years, visitors experience the breadth and depth of RIT through interactive presentations, hands-on demonstrations, exhibitions, and research projects set up throughout campus. Games and multiple performance stages with live music and entertainment are also a hit with visitors of all ages. Each year, more than 400 exhibits, many of them interactive, are viewed by more than 30,000 awed, enlightened—sometimes astonished—spectators.
The Imagine RIT Festival demonstrates RIT’s innovative and creative spirit to people of all ages.
A university is more than the sum of its individual colleges. RIT’s undergraduate academic majors are offered through our ten colleges and schools. Each is distinctive in character, with the common denominator of a rich tradition of career-focused, technological education. Together they offer our students an array of undergraduate and graduate programs and opportunities seldom found in other universities.
RIT is well known as one of the nation’s premier universities for art, design, film, photography, and crafts. The range of innovative programs offered in our College of Art and Design gives you a panoramic perspective that can be found nowhere else. Here you can create fine art using centuries-old methods or by pushing the boundaries of digital creativity.

An active, creative setting
This is a college where the lights are on 24 hours a day, where you can’t travel through the halls without pausing—to study an exhibit of photos by your fellow students, to marvel at the symmetry of the artisan’s bowl rising from a clay-splattered wheel, or to glance into a computer lab at the animation or design projects. This is a place where creativity and innovation merge to create exciting opportunities for students and faculty alike.

You’ll definitely be impressed by the resources available to you at RIT. Our specialized studios and wide range of equipment are among the most complete and current of any university’s in the world. Our faculty members are active professionals who can teach you both the art and the business of your major field of study. They’ll show you how to create, critique, reproduce, and display your work, and they’ll provide you with the support and insight you need to succeed.

School of Design
Studio-intensive majors in the School of Design allow you to develop the technical, creative, and problem-solving skills you need to succeed as a designer—whether you specialize in 3D digital design, graphic design, industrial design, interior design, or new media design. A foundation program that prepares you to understand the conceptual, creative process underlying design disciplines is followed by courses that balance visual exploration, theory, applications, and technical design skills.

Throughout the program, you’ll have the personal attention of our talented faculty and the time and resources you need to concentrate on your design projects. A balance of visual exploration, theory, applied projects, and technical development will enable you to explore creative and effective design solutions and will lead you to exciting career opportunities. Our design graduates have launched nationally recognized design firms; created unique entrepreneurial initiatives and earned patents; and found success in art and design studios, publishing houses, equipment and furniture manufacturers, architectural firms, advertising agencies, and packaging design firms.
Undergraduate Majors and Options

School for American Crafts
- Furniture Design (AOS)

School of Art
- Illustration
- Medical Illustration
- Studio Arts
  - Ceramics Option
  - Expanded Forms Option
  - Furniture Design Option
  - Glass Option
  - Metals and Jewelry Design Option
  - Non-Toxic Printmaking Option
  - Painting Option
  - Sculpture Option
- Undeclared Art Option*

School of Design
- 3D Digital Design
- Graphic Design
- Industrial Design
- Interior Design
- New Media Design
- Undeclared Design Option*

School of Film and Animation
- Film and Animation
  - Animation Option
  - Production Option
  - Motion Picture Science
- Film and Animation Exploration Option*

School of Photographic Arts and Sciences
- Photographic and Imaging Arts
  - Advertising Photography Option
  - Fine Art Photography Option
  - Photojournalism Option
  - Visual Media Option
- Photographic Sciences
  - Biomedical Photographic Communications Option
  - Imaging and Photographic Technology Option
- Undeclared Photography Option*

* An exploratory option for students to determine which major best fits their interests

For a full list of minors offered at RIT, see p. 5.
School for American Crafts
The beauty and precision of hand-crafted art is the cornerstone of RIT’s School for American Crafts. This close-knit community within the college emphasizes tradition and also pushes students to develop creative and innovative solutions. The school is famous for graduating students with impeccable craftsmanship who produce intellectually provocative and engaging work. Your professors will inspire and motivate you as they provide the keen eye and experiences that develop your creativity and technical mastery. You’ll learn to seek continual self-improvement in your work and gain an appreciation of the craft and the investigation required for successfully creating significant art.

School of Film and Animation
Because we offer more production experience than any other school in the country, the School of Film and Animation draws students from all over the world. We recognize the increasing interrelationships among film technology, video, and animation, so you gain hands-on experience in all areas while specializing in your medium of choice. In addition to a bachelor of science degree in motion picture science, the School of Film and Animation offers a bachelor of fine arts degree in film and animation, with options in animation and production, as well as an exploration option for undeclared students.

From the moment you arrive you will be producing or animating films on 16mm film, Super 16mm, HD, 2K, and 4K digital formats. Students in the production option will write scripts, recruit actors and crew, research documentary subjects, edit, mix sound tracks, live through critiques and screenings, and wait for the applause. Students choosing the animation option work on 2D cell and paper and digital cintiqs using 2D Toonboom, 3D Maya, and stop-motion dragon frame. Graduates find themselves fully qualified to begin careers in industry or create their own independent productions.

School of Photographic Arts and Sciences
With award-winning alumni; more than 30 full-time faculty devoted to photography; seven majors to choose from; and top-notch studios, digital facilities, and equipment, RIT’s School of Photographic Arts and Sciences is an internationally acknowledged leader in professional photographic education.

The BFA in photographic and imaging arts—with options in advertising photography, fine art photography, photojournalism, and visual media—is special because students master both the creative and the technical fundamentals of photography, then explore their individual interests in a specialized area. The BS in photographic sciences offers an immersive and flexible curriculum that prepares students for a wide variety of photographic and imaging careers spanning the broad fields of science, technology, and medicine. The option in imaging and photographic technology may lead analyzing images from space at NASA. The option in biomedical photographic communications is ideal for students who enjoy both photography and science.

Significantly larger than most photo schools, RIT offers more—and more varied—photography courses and has more faculty members with a wider range of interests than most similar schools. More than 200 courses cover everything from nature photography to digital photography, advertising concepts to high-speed/time-lapse photography.

Guest lectures and touring exhibits by famous photographers such as Annie Leibovitz, Harry Callahan, and Joyce Tenneson are added benefits. And, with such resources as the George Eastman Museum and Eastman Kodak Co., Rochester is, in a sense, where photography developed. Being here immerses you in that world.

RIT’s School of Photographic Arts and Sciences has thousands of alumni—leaders in their disciplines—who become a network of contacts when you graduate. In the competitive world of photography, a degree from RIT can give you the edge you need.
At the intersection of business and technology, Saunders College delivers opportunities blending business with science, engineering, arts, and math. These collaborations can be found only at a university like RIT.

To succeed in business, you’ll need to be a team player, think creatively, be strategic, and understand how to build sustainable enterprises. A global perspective, a diverse RIT minors program, and a curriculum built to deliver real-world experiences found at Saunders College of Business prepare graduates with the necessary technical and personal skills to become a successful manager in any area of business.

The Freshman Experience: Biz 1+2
Saunders College of Business freshmen exercise their creativity and develop their innovative skills through the Freshman Experience: Biz 1+2 program, a two-course program designed to take ideas from business concept to commercialization.

Unique to RIT, Biz 1+2 is a cohort-based business program that allows business students to establish valuable relationships within their program in their first year. Students jump-start their business education with a rigorous and comprehensive curriculum that provides an introduction to the fundamentals of business and serves as a valuable reference throughout their degree program.

The program culminates with business plan development and presentations to RIT faculty, students, and experienced business leaders.

Saunders College’s challenging and interactive programs give you the skills you need to be successful in your career. With a solid foundation of core business courses that emphasize technology, you are exposed to a wide range of knowledge through courses in liberal arts, science, your chosen business major, and a cooperative education experience. A dynamic minors program allows you to explore your interests outside your major. Saunders offers 12 undergraduate majors and minors, and students who want to be on the fast track to success can choose to apply to the accelerated 4+1 program to complete their BS and MBA degrees in five years instead of six.

A curriculum designed around cooperative education gives students the flexibility to find paid work experience at businesses around the world.

Follow your passions through a variety of majors and minors
You can apply for admission to one of our undergraduate majors, or choose our business exploration option and decide on your major during your second year. Many Saunders students choose to add a dual business major or one of more than 90 minors offered across RIT. Popular options include engineering management, game design, psychology, communication, computer science, criminal justice, media arts and technology, and foreign languages. Business minors include most business majors plus business administration, digital business, entrepreneurship, and supply chain management.

Our major in accounting delivers leadership in accounting technology while covering accounting information systems, accounting theory, and real-life practice. Choose paths in public accounting or management accounting. Your course work is designed to prepare you for certifications such as the CPA and CFA.

Capital markets, risk management, portfolio theory, international finance, forecasting, and budgeting are just a sampling of the topics you are exposed to in our finance major. Your course work, developed with guidance from our finance advisory board, and interaction with experts in finance prepare you for a variety of career opportunities. You will join alumni who are portfolio managers, financial analysts, loan officers, and currency and securities traders.

The hospitality and tourism management major prepares you for a career that you can take around the globe. You’ll develop the essential core competencies—operations analysis, project management, food safety, traditional and digital marketing, facilities management, strategic planning, information systems, real estate, and human resource management—that you’ll need to be successful in a wide range of hospitality and tourism operations, including restaurants, hotels and resorts, cruise lines, casinos, and more.

As companies expand globally, they seek people with an awareness of cultural differences and an understanding of international competition and world markets. Our international business students choose a business minor or co-major. Foreign language competencies are an integral part of the program, and so is cooperative education—a requirement that may be satisfied through foreign work experience or international experience with a domestic corporation. Our USA-Croatia Exchange program gives you the opportunity to partake in a unique cultural exchange program, joining a cohort of students from RIT Croatia.

In the management major, you will gain an understanding of how organizations function and examine the issues of motivation, leadership, job design, group dynamics, and organizational structure. You will select a management concentration in entrepreneurship, leadership, or supply chain management to add focus to your major, learn how to approach problems logically, and make intelligent business decisions.

Saunders’ top-ranked management information systems major prepares you for careers involving leading-edge enterprise technologies and the analysis, design, and management of computer-based information systems.

Saunders College of Business

Business and technology, unlocked. Instant access to information, big data, social media, and the global economy are forcing companies to be creative and innovative to succeed.
systems. The curriculum provides students with the systems thinking skills to solve real-world business problems while integrating the latest digital technologies into their solutions. The newest facilities offer students the most relevant software technology, providing students access to data and information in real time. Career options include business and systems analysis, management and information technology consulting, enterprise systems analysis, database application development and administration, network design and administration, web systems development, and information technology project management.

Our marketing major provides you with knowledge of markets, consumer behavior, marketing research, and marketing strategy. You will learn to identify customer needs and develop products, services, and programs to meet those needs. Creative and exciting employment opportunities are found in advertising, product management, professional sales, retailing, and marketing management.

New media marketing is a unique major focusing on the development of strategies and practices to help organizations better reach and engage online audiences. It prepares you for the constantly changing world of Internet marketing and for showing companies new ways to engage and interact with their audience. This major goes into areas such as web design, content generation, social media, and search engine marketing through the study of analytics, visualization, copywriting, strategy, planning, and execution.

Our major in supply chain management focuses on providing students with the knowledge to assist in developing and implementing efficient global supplier systems in order to maximize customer value. Supply chain management is focused on the coordination of the interrelated processes required both within a business and with other businesses, including suppliers, to deliver products and services—from raw materials to customer delivery and sometimes, at the end of product life, return and recycle. This major enables students to learn about areas commonly needed to support supply chain operations and management, such as business strategy, information systems, lean/quality management, customer service, purchasing, negotiations, contracts, forecasting, inventory management, logistics, and project management.

Enrollment

Undergraduate  752
Graduate  314

Undergraduate Majors and Options

- Accounting
- Finance
- Hospitality and Tourism Management
- International Business
- Management
  Concentrations available:
  — entrepreneurship
  — leadership
  — supply chain management
- Management Information Systems
- Marketing
- New Media Marketing
- Supply Chain Management
- Business Exploration Option*

* An exploratory option for students to determine which major best fits their interests

For a full list of minors offered at RIT, see p. 5.
RIT has been a leader in computing education since 1972, when we started one of the first undergraduate computer science programs in the United States. Today, the B. Thomas Golisano College of Computing and Information Sciences collaborates with other colleges of RIT to form a computing education powerhouse.

The college offers you a comprehensive approach to computing through your course work, specialized research opportunities, and experiential education. Specialized research can be conducted in any of the college’s 34 labs, including a dedicated Security Lab isolated from the rest of the campus’ networks to allow the in-depth study of viruses, firewalls, and other computer vulnerabilities.

All of the majors within the college require cooperative education, giving you great practical experience that pays you to put your knowledge to work.

Computer science
The computer science major provides a solid foundation in all aspects of computing, allowing graduates to seamlessly adapt to dynamically changing technologies. The major features faculty with proven track records in computing research and using modern, high-quality pedagogical techniques. Computer science offers specializations in software development, programming languages, computing theory, distributed and parallel computing, data management, intelligent systems, computer graphics, and computing security, to name a few. You can pursue research, entrepreneurship, and multidisciplinary activities while required cooperative education means you get hands-on, real-world experience before you graduate.

Furthermore, students have access to a strong alumni network spanning a broad spectrum of specialization and geographical areas.

Computing and information technologies
Students in the computing and information technologies major deploy technology where it’s needed most. They tackle complex problems and create custom solutions that improve how people work with technology. Versatility is a core part of the major and the curriculum covers diverse topics while allowing students to choose from one or two of our four concentration areas: database applications, enterprise administration, networking and communications, and web development.

Computing security
RIT is home to one of the first dedicated computing security departments in the nation. Students can pursue undergraduate degrees focused on securing computing and communications infrastructure, networked devices—stationary or mobile. Our course work responds to the increasing and critical need for computing security professionals who work to protect organizations and citizens from every level of cybersecurity attack. This major provides you with a strong foundation in computing while giving you the opportunity to develop a depth of knowledge within the computing security discipline such as system and network security, digital forensics, malware, software and data security, or security science. Cooperative education and a senior capstone project enhance your experience. The BS degree in computing security will catapult you into an exciting and rapidly growing industry.

Game design and development
The bachelor of science in game design and development allows students to explore the entertainment technology landscape and
related areas, while still pursuing a broad-based university education. With an emphasis on game programming, the major exposes students to the breadth of development and design processes. Students can further specialize in game design, production, engines and systems, graphics programming and animation, mobile, web, audio, and more. The degree is intended specifically for students who aspire to careers within the professional games industry or a related field, such as simulation, edutainment, or visualization. The major also provides students with a core computing education that prepares them for graduate study or employment in a number of computing fields.

Human-centered computing
Fundamental to human-centered computing (HCC) is a focus on humans as individuals and in social contexts, and their behavior with technology. With roots in multiple areas of computing, psychology, and design, HCC studies these varied disciplines to understand the way in which people use technology. Given our society’s growing reliance on computing, technology is no longer the exclusive realm of tech-savvy individuals; industry has recognized the need to make software and devices that are usable by a wide variety of people.

HCC topics of consideration include the design, evaluation, and implementation of interactive computing systems and the understanding of ways in which such systems can transform our lives. This major prepares students for careers in industry or graduate study, offering concentrations to specialize in accessibility, design, front-end development, psychology, instructional technology, and natural language processing.

New media interactive development
NMID students code compelling experiences. New media are ever-changing forms of digital communication that engage, immerse, and (often) entertain the users. Whereas “old media” involved newspapers, radio, and television, new media has adapted digital technology for the World Wide Web, social networks, wearable computing, and more. New media development professionals develop and design software for these new media. NMID students explore a multitude of creative and technical electives, including physical computing, interfaces, web, mobile, casual games, production, and more.

Software engineering
We are in the midst of a dramatic economic shift driven by broad technological trends in which software-driven products are poised to dominate large swaths of the economy. The software engineering major focuses on the skills you need to develop quality software that meets the needs of the customer, is delivered on time, within budget, and without defect. The major emphasizes the engineering design of software and the development practices needed to bring large- and small-scale software projects from ideation to deployment, continued maintenance, and evolution. In addition to fundamental computing skills, the major emphasizes teamwork and communication—critical skills for professional software development—throughout the major. Software engineers constitute one of the fastest growing job segments.

Web and mobile computing
Web and mobile computing explores ubiquitous application development for all devices. Students learn application development and study best practices in software design, allowing them to impact the application creation process at all levels. Often referred to as full stack, this approach allows students to understand and program both the back-end servers and the front-end user interface.

What truly sets our graduates apart is their ability to see the world through the eyes of the user. The curriculum stresses user-centric design and teaches students to incorporate user expectations into their work. The result is an application that is robust, functional, and usable for a variety of people. Students may choose from two of five concentrations: web application development, mobile application development, database, project life cycle, and wearable and ubiquitous development.

Computing exploration
The computing exploration option provides students with the opportunity to explore seven of the college’s undergraduate computing majors—computer science, computing and information technologies, computing security, human-centered computing, new media interactive development, software engineering, and web and mobile computing. Students complete courses in computer science, computing security, and computing and information technologies. They also may take additional courses in the other four computing majors as they decide on which program best fits their career goals and aspirations. Students may stay in the exploration option for up to two semesters (one academic year).

All courses taken in the exploration option are accepted by the seven computing majors; all credits earned are applicable to a student’s chosen major and maintain the student’s progress toward graduation.

Enrollment

Undergraduate 3,116
Graduate 856

Undergraduate Majors and Options
• Computer Science
• Computing and Information Technologies
• Computing Security
• Game Design and Development
• Human-Centered Computing
• New Media Interactive Development
• Software Engineering
• Web and Mobile Computing
• Computing Exploration Option*

*An exploratory option for students deciding among computer science, computing and information technologies, computing security, human-centered computing, new media interactive development, software engineering, or web and mobile computing.

For a full list of minors offered at RIT, see p. 5.
The engineer’s ingenuity is a driving force in our society. From space stations to nanotechnology, the potential for innovative engineering is endless. If you’re wondering what the future might look like, the Kate Gleason College of Engineering can show you the way.

Comprehensive education
The engineering programs at RIT combine classroom and laboratory learning in technical areas with a broad liberal arts curriculum and cooperative work assignments to give you an education tuned to the 21st century wavelength.

We are dedicated to giving you and all the talented and motivated students in our programs an exceptional engineering experience. A top-rated education requires knowledgeable and engaged faculty and the latest equipment and technology. Intensive laboratory assignments in state-of-the-art facilities will give you plenty of practice with engineering design tools.

You have options
Within the College of Engineering, you’ll find biomedical, chemical, computer, electrical, industrial, mechanical, and microelectronic engineering majors. All of these incorporate industry-specific options or concentrations that let you specialize to a greater degree. So many choices will likely help you find the discipline that best suits your skills and interests. But you may discover options that you’d never considered before and want the time to decide which one to follow. In that case, you may want to apply to our engineering exploration program. You’ll take first-year courses that give you the foundation for entering the engineering major of your choice as a sophomore.

If you’re interested in pursuing graduate-level studies in engineering, you may apply for admission to an accelerated BS/MS degree program during your sophomore year and complete both degrees in five years of course work. Something else to consider: the college has launched the nation’s first interdisciplinary Ph.D. program in microsystems engineering and a Ph.D. in engineering that focuses on industries (communications, energy, health care, and transportation) with challenging problems facing our society.

A supportive setting
With more than 2,800 undergraduate students, the College of Engineering is small enough to allow for close faculty-student relationships, and we emphasize team-based problem solving. If you’d like to take part in undergraduate research or advanced independent study, you can work directly with faculty members who are investigating areas that interest you.

Here you’ll be part of an academic environment that encourages creativity, the sharing of ideas, and an enriching quality of life for all students. Our Women in Engineering Program offers special academic and career advising, professional development workshops, and female graduates who are mentors and role models. Similar support is available through the ECCO Center, Engineers of Color Creating Opportunity.

Bright prospects
RIT’s College of Engineering is one of the few engineering schools in the nation to require cooperative education for every student. The five-year BS program includes four years of academic work and one year of full-time, paid, professional work experience. Many RIT students receive job offers for permanent positions from previous co-op employers—indicative of industry’s respect for our graduates.

RIT has been a national leader in cooperative education since 1912, and we offer students co-op opportunities throughout the nation. Active co-op employers include General Electric, Toyota, Harris Corp., Borg Warner, Tesla Motors, Ortho-Clinical Diagnostics, Anheuser Busch, Precision Castparts Corporation, Welch Allyn, GlobalFoundries, Parsons, AATech, General Motors, Wegmans, Delphi, Knorr Bremse, Magna, NASA, Sparex, The Raymond Corporation, UTC, and hundreds of others.
Undergraduate Majors and Options

• Biomedical Engineering
• Chemical Engineering
• Computer Engineering
• Electrical Engineering
  — Computer Engineering Option
  — Clean and Renewable Energy Option
  — Robotics Option
• Industrial Engineering
  — Ergonomics Option
  — Lean Six Sigma Option
  — Manufacturing Option
  — Supply Chain Management Option
• Mechanical Engineering
  — Aerospace Option
  — Automotive Option
  — Bioengineering Option
  — Energy and Environment Option
• Microelectronic Engineering
• Engineering Exploration Option*

* An exploratory option for students to determine which major best fits their interests

For a full list of minors offered at RIT, see p. 5.

Enrollment

Undergraduate  2,888
Graduate  580

Undergraduate Enrollment
Entrepreneurial, innovative, and responsible. These 21st century qualities help our students achieve rewarding careers based on the engineering technology and related offerings of the College of Engineering Technology (CET).

Whether it’s used in efficient production in manufacturing, protection of the environment, or the enhancement of a product packaging solution, technology has a tremendous impact on the world today. That’s why RIT’s College of Engineering Technology offers a range of majors focused on the practice of applying engineering principles and technology to improve product quality, streamline processes, and, in general, solving engineering-related problems.

Engineering technology
RIT’s College of Engineering Technology offers one of the largest varieties of engineering technology majors in the nation. Engineering technology professionals work as engineers in problem-solving teams. Our programs teach you to apply current technology to manufacturing, communications, construction, product design and development, electrical and computer systems, packaging and printing, and other engineering problems.

Designed with the aid of experts in the field, each of these majors meets the highest professional standards, and it shows. A national survey of industry experts has ranked RIT’s manufacturing engineering technology major among the top five in the nation, and our civil engineering technology students have excelled in competitions with other universities.

Our programs combine academic experience with cooperative education, which requires students to complete 12 months (52 weeks) of paid, professional experience in industry. The high job placement record for our graduates proves the value of this combination of school and employment. They find employment in such fields as civil, mechanical, manufacturing, electrical, or computer engineering, environmental engineering, telecommunications and audio, or product engineering.

Environmental sustainability, health and safety
RIT’s bachelor of science degree program in environmental sustainability, health and safety will prepare you to help organizations move toward sustainability by assessing the impact of their activities, developing and implementing policies and practices, and complying with environmental laws and regulations. You will acquire an optimum mix of science, technology, and management skills that readies you for employment in a new and booming field. Gradsuates have an impressive record of success finding interesting and rewarding jobs with competitive salaries.

This major features cooperative education experience, and co-op students — already qualified to take on responsibilities that may yet be unfulfilled in many organizations — have been welcomed by government agencies, nonprofits, and a variety of businesses.

Media arts and technology
Media arts and technology is a solutions-focused major where students learn how to produce, distribute, and manage content to reach audiences of all sizes through web, print, and mobile platforms. This major’s core courses provide a balance of the creative, business, and technical aspects of graphic communication through the immersive study of design, imaging, business, and the applied sciences (computer science, color science, information science, and engineering). Elective courses allow students to customize their course of study as they develop specializations around areas of cross-media publishing, next-generation packaging, advertising and promotion, media management, business strategy, sustainability, digital materials, print and new media production, and the development of innovation applications across media. Students are required to complete two cooperative education experiences. They earn a salary while gaining valuable industry experience as
they prepare for their career ahead. Our graduates enjoy challenging careers with media producers, publishers, advertising agencies, news organizations, packaging companies, communication departments, website developers, and more.

**Packaging science**

Every time you unwrap a new computer game, twist open a lipstick tube, or pop open a can of soda, you are dealing with packaging. Finding the best way to make that package inexpensively, keep that lipstick case from cracking, and ensure that the soda can is recyclable is the job of packaging scientists.

Your education will combine classroom and lab preparation with co-op experience. Packaging science today presents extraordinary career opportunities for our graduates. As a packaging scientist with a bachelor’s degree from RIT, you’ll be a leader in a growing field that blends science, engineering, technology, management, and sustainability.

**Real experience, real value**

In our state-of-the-art facilities, you’ll find telecommunications and embedded systems design facilities; CAD/CAM systems; packaging and environmental testing equipment; CNC robotic equipment, high-speed high-accuracy assembly systems, a student-operated restaurant; and much more. Using the same equipment and operating in the same environments as professionals in these fields puts you ahead of the pack in the job hunt.

Cooperative education is required in all degree programs in the college, giving you the added advantage of valuable real-world experience. You’ll be an attractive catch for employers and demonstrate your value as soon as you start working. IBM, Xerox, Toyota, Amazon, Honda, Cisco, TI, Intel, Alstom, Apple, P&G, Volvo, Corning, Constellation Brands, and the Environmental Protection Agency are just some of the prestigious employers that hire our students for co-op and permanent employment year after year.

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**Enrollment**

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<td>Undergraduate</td>
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**Undergraduate Majors and Options**

- Civil Engineering Technology
- Computer Engineering Technology — Audio Option — Telecommunications Option
- Electrical Engineering Technology — Audio Option — Telecommunications Option
- Electrical/Mechanical Engineering Technology
- Environmental Sustainability, Health and Safety
- Manufacturing Engineering Technology
- Mechanical Engineering Technology
- Media Arts and Technology
- Packaging Science
- Engineering Technology Exploration Option*

* An exploratory option for students to determine which major best fits their interests

For a full list of minors offered at RIT, see p. 5.
The College of Health Sciences and Technology responds to the growing need for well-educated professionals in the health care field. Programs center on patient care, innovation in the advancement of clinical practices, and cutting-edge research that will guide the changing health care delivery system.

Interdisciplinary approach to learning
Through its majors, the college provides a focused, interdisciplinary approach to health care education. Clinically related and research-based programs meet both the present and future needs of the health care system.

Innovative partnership
Through the RIT-RRH Alliance—the university’s partnership with Rochester Regional Health—students gain advanced knowledge in the theoretical science and practical application of experiential learning environments. These experiences prepare students to serve as practitioners, scientists, and leaders through their contribution to, and provision of, high-quality patient care, health care service, and/or applied biomedical research.

Dynamic programs
All of the college’s majors build on a foundation of liberal arts and basic sciences, producing students who are well rounded and ready to take on the challenges of the health care industry. The biomedical sciences major is designed to prepare students for advanced study in medical, dental, or graduate schools as they pursue careers in health care or biomedical research. A diverse curriculum and applied research opportunities prepare students for the demands of graduate study. Courses and concentrations are designed to attract students interested in a broad spectrum of medically related jobs and to provide the knowledge base and the technical skills required to pursue their chosen careers. For those with an interest in pursuing graduate school, a comprehensive premedical studies advising program is available to guide students in their selection of course work and in completing the requirements necessary for admission to advanced degree programs.

The diagnostic medical sonography (ultrasound) major, with certificate options in general ultrasound and echocardiography (cardiac ultrasound), has graduated leaders in the field since its inception. The curriculum combines a strong science education, practical experience, and liberal arts education to prepare you for a career in ultrasound. The program emphasizes skills in administration and research in addition to development of scanning and diagnostic abilities, with a focus on relevancy to clinical practice.

The physician assistant major is a five-year combined BS/MS program. The first two years are considered the pre-professional phase; the remaining three years are the professional phase and include 12 months of clinical rotation (internship) in the final year. Rotations expose students to distinct areas of medical practice such as internal medicine, pediatrics, surgery, women’s health, emergency medicine, geriatrics, behavioral health, and more.

Wegmans School of Health and Nutrition
The Wegmans School of Health and Nutrition is dedicated to researching and addressing today’s critical health issues such as obesity, sedentary lifestyles, smoking, and other risk behaviors. The school seeks news ways to influence and advance the fields of health and nutrition through practical solutions that positively impact individuals and community health.

Registered dietitians learn to understand people as individuals, thereby helping their clients solve their nutritional needs. The dietetics and nutrition major offers a challenging curriculum that prepares students to become registered dietitians and practice in diverse settings such as private practice, community nutrition and public health, wellness, sports, fitness programs, corporations, clinical dietetics, hospital or long-term-care food management facilities, research, food companies, nutrition education, and restaurant consulting.

College-level knowledge and professional certification are increasingly required for those who wish to work in the fitness industry, whether full- or part-time, in an athletic club, ski resort, or sports medicine facility. Knowledge of and professional certification in fitness instruction and programming also are of increasing value to allied health professionals who wish to augment their care or practice with the ability to prescribe exercise programs that address special medical needs.

The exercise science major prepares students with the skills and knowledge needed to be successful as exercise specialists. You will learn to conduct medical screenings of clients to determine safe and appropriate participation in physical activity; select, properly conduct, and analyze data from a range of physical fitness assessments; and prescribe and continually evaluate the effectiveness of an exercise program based on a patient’s
current health condition and/or individual wellness goals. You will also help patients establish realistic goals, collect data for continual evaluation, and instruct patients on the proper use and performance of prescribed exercises.

Understanding nutrition, especially nutritional content, can have a remarkable impact on health. Educating the public about the benefits of nutrition, and the various ways healthy living can improve our well-being, is the focus of the BS degree in nutritional sciences. The major helps health professionals understand and translate the science of food into policy and practice.

Nutritional scientists address behavioral issues, teach clients about the nutrition and health properties in food, and offer nutrition supervision. You’ll build a solid foundation in nutritional sciences as well as leadership skills that include communication, problem solving, team dynamics, and interaction with the community. Two blocks of cooperative education give you hands-on experience in the field.

You’ll be well prepared for graduate programs or to provide expertise in nutrition in a range of settings (e.g., sports fitness programs, hospitality industry, nutrition writing, and federal nutrition programs). Select electives make you eligible to sit for the Certified Health Education Specialist (CHES), a respected credential in health care education.

Note: The nutritional sciences program does not meet the educational requirements of the Academy of Nutrition and Dietetics that lead to eligibility to become a Registered Dietitian Nutritionist.
Technology-infused liberal arts. At RIT, our liberal arts majors combine traditional social sciences and humanities with the professional and technical skills necessary to succeed in the 21st century.

The College of Liberal Arts offers 14 career-oriented bachelor’s degree programs and more than 30 liberal arts minors, and it plays a central role in the general education of every undergraduate at RIT.

We offer the advantages of a small college and the benefits of a major university. You’ll have the chance to participate in seminar-style classes, independent study, and faculty-guided research projects. You’ll find professors who are respected in their fields but not too busy to get to know you personally.

If you’re undecided about your career choice, you can pursue the liberal arts exploration option. Personalized advising will help you formulate your educational plans while you explore the college’s majors. You’ll sample courses in the areas that interest you and investigate which career path is best.

Fourteen majors to choose from
An integrated approach to the study of communication and media distinguishes our advertising and public relations major from others. By combining liberal arts, advertising, public relations, marketing, and business courses with cooperative education experience and a focus on new media technologies, our program delivers a lot, including career success. You will gain an understanding of various media and acquire the technological skills your career will demand.

The applied modern language and culture major is intensive, focused, and career-oriented to prepare students for today’s multilingual and multicultural global society. The major is not a traditional foreign language program. Instead, it was designed to prepare students to actively apply their knowledge of language and culture to a technical or professional discipline. Students choose from the five languages that most directly apply to the global workplace and economy: Chinese, Japanese, or Spanish. While students can pursue the program as a stand-alone major, it was designed to be offered as part of a double major where students select a secondary program of study in areas such as computer science, computing and information technologies, engineering, or business, to name a few. The major enhances students’ linguistic and cultural capabilities within the context of their second program of study, making graduates attractive to organizations that have an international presence.

The communication major allows you to take advantage of current developments in the rapidly changing field of communication. You’ll study the theory and practice of spoken, written, and visual communication, then add courses in business, public relations, photography, graphic design, or other areas. If you have specialized career interests, you’ll have the option to develop a professional core of course work relevant to your individual goals. A semester of cooperative education will give you the opportunity to apply knowledge acquired in class to real-world situations.

The criminal justice major combines theory with practical experience and leads to a number of exciting career possibilities. Concentrations in criminology, law enforcement, corrections, computer crime, and security are available, but you can design your own concentration if something else inspires you. This program also provides excellent preparation for graduate or law school, including student internship placements.

The digital humanities and social sciences major is an interdisciplinary major where students take course work in the colleges of Liberal Arts, Computing and Information Sciences, and Imaging Arts and Sciences. Students understand the historical and cultural contexts for, and think critically about, new technologies while gaining the computing and design skills necessary to create and deploy them. This skill set makes graduates sought after by employers in fields that include cultural heritage, libraries and archives, marketing and communications, entertainment, and technology.

Our economics major explores societal issues through the use of quantitative analysis, strengthening skills in mathematics, communication, computing, and management. Co-op work is encouraged in this program, as it is a great way to expand your career options in business, finance, economic research, public policy, and law. Economics graduates may complete RIT’s master of business administration or master of science in public policy with only one year of additional study.

The broad-based international and global studies program explores social, political, and economic issues that are impacting today’s world. The holistic and interdisciplinary, globalization-focused curriculum includes the opportunity to study one of the 10 foreign language options offered at RIT, as well as to specialize in an area of interest such as international business, science and technology issues, or a particular world region. Graduates are prepared for policy analysis and international affairs positions in government and the private sector. International and global studies also offers accelerated 4+1 programs that allow completion of an RIT master’s degree in public policy or business administration.

The journalism major prepares students for the changing newsroom, where traditional reporting merges with media technologies to create the innovative delivery of information. Beyond writing and reporting, you will gain crucial skills in graphic design, photography, audio and video production, news and information management, and methods of new media publishing.

Museum studies is an innovative, interdisciplinary, technically based major that prepares students for careers in museums, archives, photo collections, and libraries. The major’s core courses familiarize students with the history, theory, and practice of institutional collecting, and exhibition, design, development, and digital technologies. Students choose one of two specialized professional tracks: management or public history. Before graduation, students will
be required to complete 200 hours of internship in cultural institutions.

The philosophy major sharpens your ability to evaluate complex problems, identify and examine underlying principles, investigate issues from diverse perspectives, and communicate clearly in both written and oral forms. You can choose to combine your interest in philosophy with a double major in another discipline. This dual, cross-disciplinary approach makes you uniquely competitive for professional careers and graduate education.

Our political science major explores the traditional political science discipline (which includes international relations and American government) while providing students with the skills they need to succeed in the world’s ever-evolving political conditions and circumstances. Cutting-edge specializations in politics and the life sciences, digital politics, and political institutions enable students to explore the political implications of biotechnology and biomedicine as well as the political use of information technology. The innovative curriculum prepares students for careers in law, local, state, and national government; foreign service; business; and government relations. A 4+1 MBA plan is also available.

Our psychology major applies a science and technology focus to the traditional psychology curriculum. Degree options in biopsychology, clinical psychology, developmental psychology, social psychology, and cognition sharpen your focus, and a cooperative education or internship requirement provides real-world experience. You’ll be well prepared for graduate study or employment.

Our public policy major provides students with an opportunity to integrate their interests in science, technology, government, economics, and other social science fields. They may also customize a concentration based on their interests and professional aspirations. Students learn to think and analyze policy in terms of complex, interconnected systems. An accelerated BS/MS option, as well as cooperative education and other applied learning experiences, enhances the curriculum, preparing students for work in the public, private, and nonprofit sectors.

Our sociology and anthropology major examines some of the most pressing issues in our world today: war, interpersonal violence, inequality and discrimination, immigration and refugee flows, disaster recovery, health and culture, heritage and cultural rights, religious practice and prejudice, and cultural clashes on a global scale. The curriculum emphasizes flexibility of thinking, student choice, career orientation, and hands-on learning. You gain solid skills in research, analysis, and communication that prepare you for a wide variety of career options and leadership roles in this increasingly interconnected, diverse, and global society.
NTID

National Technical Institute for the Deaf

A unique college, a superior education. An exceptional college experience awaits you at RIT, home to the world’s first and largest technological college for deaf and hard-of-hearing students.

The opportunities for deaf and hard-of-hearing students at RIT/NTID are unmatched by any university in the world. Career-focused programs that reflect the needs of today’s employers, work experience gained through the university’s cooperative education program, faculty who specialize in educating deaf and hard-of-hearing students, outstanding job placement rate, unparalleled access and support services, and a student-centered campus environment—all set RIT/NTID apart.

More than 1,100 students who are deaf or hard of hearing come to campus every year to take advantage of the benefits of an RIT/NTID education.

RIT serves qualified deaf and hard-of-hearing students by providing:

• academic support and access services for students enrolled in bachelor’s degree programs throughout the university;
• pre-baccalaureate studies and associate degree programs to prepare students to enter bachelor’s degree programs;
• career-focused associate degree programs to prepare graduates for immediate employment in technology-based careers;
• career exploration studies for students who need additional information about and/or preparation for careers and majors;
• reduced tuition through special federal support that allows deaf and hard-of-hearing students to pay less than one-half of RIT’s regular tuition rate.

Choose your path

If you’re interested in and qualified* for admission to a bachelor’s degree program, you may apply for freshman or transfer admission to more than 90 exciting and challenging majors in one of the eight mainstream colleges at RIT. If you are unsure which college fits your interests, you may apply to enter University Exploration to explore different bachelor’s degree programs.

If you would like to enter a bachelor’s degree program, you may apply to enter University Exploration to explore different bachelor’s degree programs. If you are unsure which college fits your interests, you may apply to enter University Exploration to explore different bachelor’s degree programs.

If you qualify, you also can pursue an associate+bachelor’s degree program that allows you to earn an associate degree and then enroll in a bachelor’s degree program.

If you’re looking for the fast track to career success, you may choose to pursue a career-focused associate degree program. These programs provide an outstanding education in a number of career areas, while at the same time offering you opportunities for study in the arts and sciences.

If you need additional information about careers and majors before deciding on an associate degree program of study, you may choose the career exploration studies option, which offers you the opportunity to do an intensive career search while developing a better understanding of yourself through career and personal counseling, decision-making classes, and sampling of various majors. A career development counselor will assist you in evaluating information and making a career decision.

While you are in career exploration studies, you will take introductory courses offered by technical majors, as well as courses in mathematics, English, humanities, the social sciences, and deaf studies.

Learning by doing

After graduation, your chances of finding a job in your field are excellent. Last year, 94 percent of deaf and hard-of-hearing graduates who sought jobs found one within a year. Our graduates are pursuing careers at places such as NASA, Merck, Microsoft, U.S. Department of Defense, BNY Mellon, Toyota, and many other corporations and organizations across the country. Part of the reason for this success is RIT’s cooperative education program. While you are a student, co-op gives you hands-on practical experience working for a company in your field. The combination of fieldwork plus classroom training gives you a real advantage in the job marketplace.

Your employment success is supported by employment specialists at the NTID Center on Employment, who travel coast to coast to connect with employers to create job opportunities. These employment specialists network with employers to build relationships and educate the marketplace about the value of hiring deaf and hard-of-hearing students and graduates.

Outstanding access and support services

RIT provides one of the most accessible educational communities in the world for deaf and hard-of-hearing students. At RIT, deaf and hard-of-hearing students are part of a unique college community that understands their educational needs like no other university in the world.

If you qualify to take courses in one of RIT’s eight mainstream colleges, NTID will provide the educational access services you need. You can choose from among sign language interpreting services, FM systems, notetaking, or real-time captioning services. Alternative...
services also may be provided. You also will have access to a unique system of educational support services such as tutoring by experienced faculty tutors, personal and career counseling, and academic advising.

If you take courses at NTID, instructors will communicate directly with you using a variety of strategies, which may include sign language without voice, sign language with voice, spoken language (FM systems are available), fingerspelling, printed/visual aids, web-based instructional material, and individual tutoring.

In cases where faculty members’ communication strategies do not appropriately meet your needs, you can request access services from the Department of Access Services via the myaccess.rit.edu website.

As a student taking NTID courses, you also will have access to a state-of-the-art learning center staffed by professional and peer tutors. An assigned counselor will work closely with you to help you plan your collegiate experience and provide you with personal, social, career, and academic advising and counseling services.

Communication services
You don’t have to leave campus for audiological, speech/language, or cochlear implant support. RIT’s Communication Studies and Services Department provides services and collaborative educational programs through which you can broaden and/or strengthen your communication competencies. On-site audiologists provide services related to hearing and hearing aids, cochlear implants, and assistive devices, and speech-language professionals offer a broad range of speech and language services.

Leading-edge facilities
The educational facilities at RIT are state of the art. Classrooms are specially designed to allow the best possible vision from all parts of the room. The NTID Learning Center provides academic, tutorial, and other learning opportunities for students as well as networked computer workstations and distance learning capabilities. Residence halls and academic buildings are equipped with visual emergency systems and direct access to campus computing facilities.

**See p. 51 for admission requirements.**
Formula for success. Start with a challenging curriculum, add a laboratory-intensive environment and a talented, dedicated, accessible faculty, and you will multiply your career and graduate study opportunities exponentially. That’s the College of Science’s proven equation for a superior undergraduate education.

In addition to the traditional sciences and mathematics, our College of Science offers innovative majors in biotechnology and molecular bioscience, bioinformatics, imaging science, computational mathematics, and several other fields. You’ll need to apply theory to the solution of practical, sometimes larger-than-life problems when you graduate, so all majors are career-oriented and laboratory-intensive.

Resources
Because RIT has always been committed to undergraduate education and research, we don’t reserve the best and newest equipment for graduate students and professors. As an undergraduate, you’ll have access to it all.

Undergraduate research is important, too. The skills developed through research are the foundation of a life in a science field. Undergraduate research teaches you how to handle the uncertainty and unexpected results that are the nature of scientific research. You’ll be exposed to the truly exhilarating part of discovery, and be better prepared for the challenges you’ll face in the future.

You might also work in one of the research facilities supported by the College of Science, including the NanoPower Research Lab, the Center for Detectors, the Center for Computational Relativity and Gravitation, the Multidisciplinary Vision Research Laboratory, or the Confocal Microscopy Laboratory.

Special options
If you are interested in the life sciences, mathematics, or physical sciences, but are not sure what your focus should be, consider the science exploration option. While taking foundation science, math, and general education courses you’ll engage in a yearlong, team-based research experience. You’ll learn how to conduct scientific research while developing skills in organization, group dynamics, and project planning. Faculty mentors and advisers help you determine a path for your future based on your developing interests and skills. At the end of the year, you’ll declare a major in the College of Science or in another college of RIT.

Like many of our students, you may be interested in pre-professional studies. Once accepted into a degree program, you can begin working with a team of advisers to select the courses and activities that prepare you for medical, dental, veterinary, optometry school, or other professional disciplines.

Each year, a limited number of Summer Undergraduate Research Fellowships are available to qualified College of Science undergraduate students. Interested students submit a research proposal along with a faculty letter of support. Monetary grants are awarded to winning proposals and students spend 10 weeks in the summer at RIT and present their findings during the annual Undergraduate Research Symposium.

Hands-on experience
As a College of Science student, you don’t have to wait until graduation to gain professional experience. You may choose to pursue cooperative education, which adds several months of paid work experience into the traditional four-year sequence. A popular option, co-op work may begin in the second or third year, depending on your major.

Other experiential learning opportunities include independent research, study abroad, and Research Experiences for Undergraduates—an NSF-funded program that allows students to conduct research away from their home universities.

Since 2005, 28 RIT students have won the Barry M. Goldwater Scholarship.

The Goldwater Foundation’s Scholarship Program honors Senator Barry Goldwater and was designed to foster and encourage outstanding students to pursue careers in the fields of mathematics, the natural sciences, and engineering. The Goldwater Scholarship is the premier undergraduate award of its type in these fields.

Here is a list of RIT’s most recent Goldwater Scholars:

2018
Nicole Pannulla
biochemistry

2017
Honorable Mentions
Benjamin Catalano
chemistry
Ryan LeTourneau
chemistry

2016
Honorable Mentions
Brooke D’Arcy
biochemistry
Chantel Charlebois
biomedical engineering

2015
Elizabeth Bondi
imaging science
Selene Chew
computational mathematics
Tyler Godat
physics and applied mathematics
Emily Holz
biomedical engineering

Uncommon Programs
How do satellites beam images back to Earth? Could light replace electricity as an energy source? How can we enhance images of the brain taken by CAT scans?

Students in RIT’s Chester F. Carlson Center for Imaging Science, a unique teaching and research facility, explore and answer questions like these. Learn about imaging systems ranging
from human vision to virtual reality. Discover how imaging technology probes the depths of the ocean, the surface of the Earth, and the vastness of outer space.

Imaging science is among many unusual programs offered by the College of Science. For instance, bioinformatics brings together biotechnology and computer science to analyze biological data that could lead to new vaccines and molecular imaging methods. Computational mathematics opens students up to fields such as mathematical modeling, cryptography, and artificial intelligence that underpin much of today’s technology-driven society.

The Integrated Sciences Academy, which houses the college’s science exploration option, brings together multiple areas of expertise within the college to create new approaches to solving complex scientific problems facing society today. The academy supports the college’s multidisciplinary academic majors at the undergraduate and graduate levels, encourages cross-disciplinary approaches to problem solving, and fosters research collaborations throughout the college.

Many BS programs in the College of Science feature a “BS/MS option” that allows students to earn a bachelor’s and master’s degree at the same time in as little as one additional year of study.
The School of Individualized Study focuses on individual students and their ideas, interests, and goals. Through the school’s interdisciplinary curriculum, students design a plan of study that allows them to explore the fusion of multiple disciplines, experiential learning, and progressive credit-earning opportunities. SOIS embraces a holistic approach to education and the pursuit of creative self-development, self-reflection, and lifelong learning.

The School of Individualized Study (SOIS) offers students interested in more than one area of study the option of creating personalized undergraduate programs directly related to their interests and aspirations. SOIS offers students this valuable opportunity through its applied arts and sciences degree program. This program focuses on providing the student an interdisciplinary approach to learning that can be applied to the professional environment.

Applied arts and sciences degree
The School of Individualized Study offers a bachelor of science degree in applied arts and sciences that is fully customizable to meet the needs of online and on-campus students. The degree requires completion of at least 120 semester credit hours, comprised of 60 credit hours in general education and 60 credit hours in two to four concentrations centered on a program theme.

How customizing works
In conjunction with your academic adviser and faculty mentor, you will design a Plan of Study. You will discuss your ideas, career aspirations, and the possible courses and experiential learning opportunities you could engage in to achieve your goals and program theme. Each Plan of Study is reviewed by the SOIS Faculty Review Committee.

Program Theme and Concentrations (60 credits)
Two to four areas of concentrations are designed around your program theme, integrating various academic disciplines and experiential learning opportunities to achieve your overall BS degree and learning goals.

The Capstone Project
The Capstone Project is an opportunity for students to synthesize and demonstrate the skills and knowledge gained throughout their plan of study. The project culminates in a written paper and a poster presentation.
UNIVERSITY EXPLORATION

For students with multiple interests that span two or more colleges, students have an opportunity to explore their interests, values, and career goals in order to make an informed decision regarding a major at RIT.

If you have interests that span two or more of our colleges, the broadest and most flexible option, University Exploration, allows you up to a year to explore and focus your academic and career interests. As a University Exploration student, you’ll be assigned an experienced adviser who will help you through the process of identifying a suitable program of study. In addition to helping you select courses, your adviser will provide you with encouragement and guidance throughout the career decision process.

Career exploration
During your first semester in University Exploration, you’ll be required to participate in a career exploration seminar. This will provide you with a systematic plan for making decisions in a timely manner. You’ll explore RIT’s colleges and academic programs, and you’ll learn about the research and career opportunities that are available in different disciplines.

Select your plan of study
In University Exploration, you’ll take math, science, and general education courses that satisfy requirements for most majors within RIT. Additionally, you’ll be able to sample introductory courses from the university’s nine colleges. Each semester, advisers will develop a schedule with each individual student to target his or her unique interests, values, and skills. The goal is to help you make the most informed decision about a major and a career.
A SPIRITED, CONNECTED COMMUNITY

Catch the spirit! Students take their academic pursuits seriously, but they’ll be the first to tell you that they are passionate about life outside of the lectures and labs.

RIT is alive with energy and excitement—24/7. It won’t take long for you to find your niche in this community because there are so many ways to be involved. Take advantage of the opportunities for recreation and personal growth, leadership, and entertainment that are out there. Try something new. Stretch your mind and body—and grow.
Tiger fans love their Division I hockey! The men’s hockey team has won three Atlantic Hockey Championships, most recently in 2016. The women’s hockey team has won two College Hockey America championships in its four seasons as a Division I program, including back-to-back titles in 2014 and 2015.
A Spirited, Connected Community continued

Housing Options

Lifestyle Floors
- Alcohol/Substance-Free Lifestyle Option
- Co-ed Floors
- Honors Housing
- Intensified Study Floors
- Living-Learning Communities
- Mainstream Floors (with both deaf/hard-of-hearing and hearing students)
- Single-Sex Floors
- Single-Sex Suites
- 21 and Over Lifestyle Option
- Wellness Lifestyle Option

Special Interest Houses
- Art House
- Computer Science House
- Engineering House
- House of General Science
- International House (American and international students)
- Photo House
- Unity House (promotes cultural awareness and diversity)

Greek Housing
- 6 Fraternities
- 5 Sororities

Mud Tug is an annual event hosted by Zeta Tau Alpha sorority and Phi Kappa Psi fraternity. The tournament lasts all day and draws hundreds of participants from the RIT community. Each year, the event raises funds for charities in Rochester, and is one of the largest fundraising events on campus.
Clubs and Student Organizations

With over 350 student clubs and organizations at RIT supporting more than 13,000 on- and off-campus events, you are sure to stay busy at RIT. Whether you are into art, gaming, music, politics, science, sports, or theater you’ll almost certainly find others at RIT who share your enthusiasm. In addition, RIT hosts multiple festivals and celebrations throughout the year, including:

- FreezeFest—FreezeFest is a unique festival that celebrates Rochester’s cold and snowy months. Since its inception in 2010, FreezeFest has brought students and the RIT community at large together for an assortment of winter-themed activities and events.
- SpringFest—Like FreezeFest, SpringFest is a weekend-long festival with warm weather themed activities and events.
- Brick City Homecoming & Family Weekend—Brick City Homecoming & Family Weekend is RIT’s annual tradition to celebrate alumni, students, parents and families, faculty, staff, and friends of the university. Event highlights include the annual President’s Ball and many exciting opportunities to cheer on the RIT Athletics teams.

Living on campus

More than one-half of our full-time students live on campus in residence halls or apartments, and our self-contained, suburban location creates a safe and secure atmosphere. Just about anything you need is available and accessible, including athletics facilities, dining halls with cuisines from around the world, a post office, a health center, and even a convenience store in the residence halls. Our student housing is among the safest, most comfortable, and technologically advanced you’ll find anywhere.

Dining

RIT Dining Services is comprised of 23 operations, including numerous restaurants, convenience stores, coffee shops, and all-you-care-to-eat dining halls. Dining Services understands and accommodates a wide variety of dietary requirements and cultural preferences.

Wellness

Wellness is an integral part of what makes RIT students successful during their time on campus and beyond. RIT offers an exceptional program of specifically designed courses to help students develop and maintain a well-balanced, active lifestyle. The Wellness Education Department continues to evolve their course offerings to provide wellness opportunities that appeal to all students. Some of our unique courses include Nerfology, Rock Climbing, Self-Defense, Wilderness Survival, and...
A Spirited, Connected Community

A winning tradition
RIT’s intercollegiate teams have a history of excellence, recording many impressive seasons and capturing a number of conference and national championships. RIT teams are members of the National Collegiate Athletic Association (NCAA), the Eastern College Athletic Conference (ECAC), the Atlantic Hockey Association, the Liberty League, and College Hockey America.

Unwind, relax
With the exception of your college and residence hall, you’ll probably find yourself in the Student Alumni Union and Campus Center more than any other building on campus.

There are plenty of other spots on campus to grab a coffee, snack, or meal—a coffeehouse in the library, a café and market, and custom wrap and pizza outlets, among others.

Park Point at RIT, which offers a combination of apartment-style housing for approximately 850 students, also has 80,000 square feet of restaurant and retail space, including Barnes & Noble @ RIT, the campus store.

Community service and leadership development
RIT is committed to maintaining connections between the RIT campus and the surrounding community. At RIT, you’ll have the opportunity to develop the skills necessary to actively engage in your local and global community, helping to solve challenging problems in a rapidly changing global community. If you are ready to change the world, RIT is here to help you get there.

You will also have the opportunity to engage in cultural activities both on and off campus. Through the Into the Roc program, supported by the Center for Leadership and Civic Engagement at RIT, students have the opportunity to explore unique challenges and cultural treasures in the Greater Rochester community.

Recreation and intramurals
With recreational interests at an all-time high, our extensive program includes co-ed teams in everything from basketball and flag football to inner-tube water polo and golf. Tournaments help to keep the competition interesting. For those who may not be interested in the friendly competition of intramural sports, RIT offers extensive recreational opportunities from learning to rock climb at the Red Barn climbing gym or swimming laps in the Judson/Hale Aquatics Center.

Yard Games: Students are required to complete a wellness course prior to graduation.

Varsity sports:

<table>
<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Men’s Cross Country</td>
<td>Men’s Basketball</td>
<td>Men’s Baseball</td>
</tr>
<tr>
<td>Women’s Cross Country</td>
<td>Women’s Basketball</td>
<td>Men’s Crew</td>
</tr>
<tr>
<td>Men’s Soccer</td>
<td>Men’s Ice Hockey (NCAA Division I)</td>
<td>Women’s Crew</td>
</tr>
<tr>
<td>Women’s Soccer</td>
<td>Women’s Ice Hockey (NCAA Division I)</td>
<td>Men’s Lacrosse</td>
</tr>
<tr>
<td>Women’s Tennis</td>
<td>Men’s Swimming</td>
<td>Women’s Lacrosse</td>
</tr>
<tr>
<td>Women’s Volleyball</td>
<td>Women’s Swimming</td>
<td>Women’s Softball</td>
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<tr>
<td></td>
<td>Men’s Indoor Track</td>
<td>Men’s Tennis</td>
</tr>
<tr>
<td></td>
<td>Women’s Indoor Track</td>
<td>Men’s Track and Field</td>
</tr>
<tr>
<td></td>
<td>Men’s Wrestling</td>
<td>Women’s Track and Field</td>
</tr>
</tbody>
</table>
The Center for Intercollegiate Athletics and Recreation’s Wellness Program offers more than 550 classes.
Each year, entering students bring a broad range of academic, career, and personal interests to our campus. We encourage applicants from a variety of geographic, social, cultural, economic, and ethnic backgrounds.

Admission to RIT is competitive, but our admission process is a personal one. We are interested in learning about your interests, abilities, and goals in order to provide the best information and guidance we can as you select the college that is right for you.

Admission factors
Factors considered in our admission decisions include, but are not limited to, past academic performance (particularly in required academic subjects), admission test scores, competitiveness of high school, and academic major selected. Recommendations from those familiar with your academic performance and interviews with an admissions counselor are often influential.

Students applying for freshman admission in the fall (September) may apply through one of our Early Decision or Regular Decision Plans. The Early Decision Plans are designed for students who consider RIT their first-choice college and wish to make an early commitment regarding admission. The application deadline for Early Decision I is November 1 and for Early Decision II is January 1.

The application deadline for Regular Decision is January 15. Regular Decision applicants will receive their admission decision beginning in mid-February.

Applications received after January 15 (November 1 for spring) will be reviewed on a space-available basis, with notification letters mailed four to six weeks after the application is received. Students interested in being considered for merit-based scholarships or the RIT Honors program must apply by January 15 (November 1 for Early Decision I and January 1 for Early Decision II).

Students interested in beginning their studies in the spring semester are encouraged to submit all required application materials by November 1.

Choice of major
Most students applying to RIT choose a specific major as part of the admission process. Given the variety of academic majors, admissions requirements may differ from one major to another. For example, a computer science applicant would present particular strength in mathematics, while a student applying for a fine arts major would need to show artistic talent through a required portfolio.

The chart provided on the following pages may be helpful to you in selecting a major appropriate to your interests and academic background. If you are applying for freshman admission, check to see which majors best fit your high school course work and SAT or ACT scores. Please remember that standardized tests are only one of many factors reviewed in our selection process. This information is provided as a guide to help you determine which major is the best fit for you.

We encourage applicants to indicate a second and third choice of major when applying for admission. If RIT is unable to offer you admission to your first-choice major, you may be qualified for admission to one of your alternative choices.

Undeclared options
Students may also enroll in one of the many “undeclared options” offered across the university. If you have interests that span two or more colleges within RIT, the University Exploration option provides students a year to explore and focus their academic and career interests.

If your primary interests fall within a specific college, but you are unsure of your specific major, most of our colleges offer Undeclared Options. These college-based options help you discover more about your specific interests within the majors offered by the college. The following undeclared options are available:

- Engineering Exploration
- Engineering Technology Exploration
- Film and Animation Exploration
- Liberal Arts Exploration
- Undeclared Photography
- Science Exploration

International students
We invite you to apply and join the more than 2,700 international students currently enrolled at our Rochester campus. In addition to the standard admissions requirements, students whose native language is not English should submit results from the TOEFL or IELTS exam.

International students applying for freshman admission in the fall (September) may apply through one of our Early Decision or Regular Decision Plans. The Early Decision Plans are designed for students who consider RIT their first-choice college and wish to make an early commitment regarding admission. The application deadline for Early Decision I is November 1 and for Early Decision II is January 1. The application deadline for Regular Decision is January 15. Regular Decision applicants will receive their admission decision beginning in mid-February.

International students seeking freshman admission must also demonstrate that they have the financial resources to meet the cost of attendance. Students with strong academic performance may be considered for partial scholarships from RIT. Students who are awarded partial merit- or need-based scholarships may use scholarships awarded as part of the documentation of financial support.

Advanced Placement (AP)
Advanced Placement credit is awarded if a student has taken a course at his or her high school and attained a satisfactory grade on the advanced placement exam. In order to receive credit for the courses, official AP test scores must be submitted to the Office of Undergraduate
Admissions from the College Board Testing Center (www.collegeboard.org). An exam score of 3 or higher is necessary to be considered for credit. In many cases, however, a minimum score of 4 is required to obtain credit for specific college courses (e.g., University Physics). Each department will determine the specific amount of credit to be awarded.

**International Baccalaureate (IB)**
RIT recognizes IB level work. Credit may be awarded for higher level examinations completed with a grade of 5 or better. Credit is awarded on a course-by-course basis and in the context of the student’s intended program at RIT. Each department will determine the specific amount of credit to be awarded. Students are requested to forward IB transcripts to the Office of Undergraduate Admissions.

**Transfer credit**
Transfer credit will be considered for relevant course work where a grade of C or better was earned at a regionally accredited college or university. Official transcripts must be submitted and will be reviewed on a course-by-course basis. RIT also reviews work performed in courses and training programs evaluated by the American Council on Education (e.g., CLEP, DANTES, etc.). Minimum acceptable scores vary by course and major.

**Higher Education Opportunity Program**
RIT and New York state co-sponsor the Higher Education Opportunity Program (HEOP). This program is open only to New York state residents with academic deficiencies related to financial or educational disadvantages. HEOP students are provided with a variety of support services, including financial assistance, counseling, tutoring, and a pre-freshman summer program to assist in the transition to college. For more information, please contact our HEOP Office at 585-475-2506, or go to rit.edu/heop.

**NTID and NTID-supported applicants**
Deaf and hard-of-hearing students may apply for admission to programs offered at RIT’s National Technical Institute for the Deaf or to any other college at RIT. Deaf and hard-of-hearing applicants may qualify for educational access and support services (which typically include sign language interpreting, FM systems, real-time captioning, and notetaking services) as well as NTID’s federally supported tuition rate. Qualified students pay the reduced NTID tuition rate when enrolled in NTID majors or BS/BFA majors in other colleges of RIT (see pp. 52-53).
FRESHMAN ADMISSION
PREPARATION & REQUIREMENTS

Most students applying to RIT choose a specific major as part of the admission process. In addition, all colleges offer undeclared options and the University Exploration program is available to applicants with interests in two or more colleges. Given the variety of majors, admission requirements and entrance exam score ranges will vary from one major to another. The chart below is provided to help you select a major or option that best fits your interests and academic background.

For all bachelor’s degree programs, a strong performance in a college preparatory program is expected. Generally, this includes 4 years of English, 3-4 years of mathematics, 2-3 years of science, and 3 years of social studies and/or history. See specific math and science requirements and other recommendations below.

<table>
<thead>
<tr>
<th>College</th>
<th>Majors and Options</th>
<th>Specific Math and Science Requirements and Other Recommendations</th>
<th>SAT (EBRW+M)</th>
<th>ACT Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>College of Art and Design</strong></td>
<td>School of Art</td>
<td>– Illustration</td>
<td>1160-1320</td>
<td>25-31</td>
</tr>
<tr>
<td></td>
<td>• Illustration</td>
<td>– Medical Illustration</td>
<td></td>
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<tr>
<td></td>
<td>• Studio Arts</td>
<td>– Ceramic Option</td>
<td></td>
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<td></td>
<td>– Expanded Forms Option</td>
<td>– Glass Option</td>
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<td></td>
<td>– Furniture Design Option</td>
<td>– Metal and Jewelry Design Option</td>
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<td></td>
<td>– Non-Toxic Printmaking Option</td>
<td>– Painting Option</td>
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<td></td>
<td>School of Design</td>
<td>– Sculpture Option</td>
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<tr>
<td></td>
<td>• 3D Digital Design</td>
<td>– Undeclared Art Option</td>
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<tr>
<td></td>
<td>• Graphic Design</td>
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<td></td>
<td>• Industrial Design</td>
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<td></td>
<td>• Interior Design</td>
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<td></td>
<td>• New Media Design</td>
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<td></td>
<td>• Undeclared Design Option</td>
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<tr>
<td></td>
<td>School of Film and Animation</td>
<td>– Motion Picture Science</td>
<td>1250-1410</td>
<td>27-32</td>
</tr>
<tr>
<td></td>
<td>• Film and Animation</td>
<td>– Film and Animation Exploration Option</td>
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<tr>
<td></td>
<td>– Animation Option</td>
<td>– Production Option</td>
<td></td>
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<tr>
<td></td>
<td>School of Photographic Arts and Sciences</td>
<td>– Photographic Sciences</td>
<td>1070-1240</td>
<td>24-31</td>
</tr>
<tr>
<td></td>
<td>• Photographic and Imaging Arts</td>
<td>– Imaging and Photographic Communications Option</td>
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<td></td>
<td>– Advertising Photography Option</td>
<td>– Imaging and Photographic Technology Option</td>
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<td></td>
<td>– Fine Art Photography Option</td>
<td>– Undeclared Photography</td>
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<tr>
<td></td>
<td>– Photography Options</td>
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<tr>
<td></td>
<td>School of Design</td>
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<tr>
<td></td>
<td>• Painting Option</td>
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<td></td>
<td>• Sculpture Option</td>
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<td></td>
<td>• Undeclared Art Option</td>
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<tr>
<th>College</th>
<th>Majors and Options</th>
<th>Specific Math and Science Requirements and Other Recommendations</th>
<th>SAT (EBRW+M)</th>
<th>ACT Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Saunders College of Business</strong></td>
<td>• Accounting</td>
<td>– Marketing</td>
<td>1170-1340</td>
<td>26-31</td>
</tr>
<tr>
<td></td>
<td>• Finance</td>
<td>– New Media Marketing</td>
<td></td>
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<td></td>
<td>• Hospitality and Tourism Management</td>
<td>– Supply Chain Management</td>
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<td></td>
<td>• International Business</td>
<td>– Business Exploration Option</td>
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<tr>
<td></td>
<td>• Management</td>
<td></td>
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<tr>
<td></td>
<td>• Management Information Systems</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>• Marketing</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Golisano College of Computing</strong></td>
<td>• Computer Science</td>
<td>– New Media Interactive Development</td>
<td>1280-1450</td>
<td>29-34</td>
</tr>
<tr>
<td>and Information Sciences</td>
<td>• Computing and Information Technologies</td>
<td>– Software Engineering</td>
<td></td>
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<td></td>
<td>• Computing Security</td>
<td>– Web and Mobile Computing</td>
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<td></td>
<td>• Game Design and Development</td>
<td>– Computing Exploration Option</td>
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<tr>
<td></td>
<td>• Human-Centered Computing</td>
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</tr>
<tr>
<td><strong>Kate Gleason College of</strong></td>
<td>• Biomedical Engineering</td>
<td>– Mechanical Engineering</td>
<td>1300-1440</td>
<td>29-33</td>
</tr>
<tr>
<td>Engineering</td>
<td>• Chemical Engineering (all options)</td>
<td>(all options)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>• Electrical Engineering (all options)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Industrial Engineering (all options)</td>
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</tbody>
</table>

Pre-Professional Studies

Students interested in pre-professional studies (pre-law, pre-med and other pre-health professions) may enroll in any major at RIT and then take advantage of the advising and student organizations associated with their respective interests.

University Exploration Option

The University Exploration option is coordinated by the Academic Affairs Division for students who wish to explore majors across two or more of RIT’s colleges. The program provides students one year to explore and focus their academic and career interests. Admission to this program is based on high school performance, standardized test scores and appropriate preparation for possible academic interests. Please refer to admission requirements in the colleges that correspond to your possible interests.
<table>
<thead>
<tr>
<th>College</th>
<th>Majors and Options</th>
<th>Specific Math and Science Requirements and Other Recommendations</th>
<th>SAT (EBRW+M)</th>
<th>ACT Composite</th>
</tr>
</thead>
</table>
| Kate Gleason College of Engineering | • Biomedical Engineering  
• Chemical Engineering  
• Computer Engineering  
• Electrical Engineering (all options)  
• Industrial Engineering (all options)  | • 4 years of math required; including pre-calculus or above  
• Chemistry and physics required  
• Biology required for biomedical engineering  | 1300 -1440 | 29-33         |
| College of Engineering Technology  | • Civil Engineering Technology  
• Computer Engineering Technology (all options)  
• Electrical/Mechanical Engineering Technology  
• Manufacturing Engineering Technology  | • 3 years of math required; pre-calculus recommended  
• Chemistry or physics required; biology recommended  
• Technology electives desirable  | 1190 -1350 | 25-31         |
| School of Media Sciences           | • Biomedical Sciences  
• Diagnostic Medical Sonography (Ultrasound)  
• Dietetics and Nutrition  
• Exercise Science  | • 3 years of math required  
• Chemistry or physics required  | 11130 -1320 | 25-32         |
| College of Health Sciences and Technology | • Advertising and Public Relations  
• Applied Modern Language and Culture  
– Chinese Option  
– Japanese Option  
– Spanish Option  
• Communication  
• Criminal Justice  
• Digital Humanities and Social Sciences  | • Public policy requires 3 years of math.  
• Strong performance in English and social studies is expected.  | 11180 -1350 | 26-31         |
| College of Liberal Arts            | • Applied Mathematics  
• Applied Statistics and Actuarial Science  
• Biochemistry  
• Bioinformatics  
• Biology  
• Biotechnology and Molecular Bioscience  | • 3 years of math required; pre-calculus is recommended for all programs except dietetics and nutrition and nutritional sciences.  
• Biology is required for all programs. Chemistry is required for all programs except diagnostic medical sonography. where it is recommended.  | 12120 -1420 | 27-33         |
| College of Science                | • Chemistry  
• Computational Mathematics  
• Environmental Science  
• Imaging Science  
• Physics  
• Science Exploration Option  | • 3 years of math required; pre-calculus is required for imaging science and physics and recommended for all sciences and technologies.  
• Biology is required for all programs. Chemistry is recommended for all programs except diagnostic medical sonography.  
• Chemistry or physics required in all programs.  | 12120 -1420 | 27-33         |
| National Technical Institute for the Deaf (NTID) | Deaf and hard-of-hearing students seeking admission to bachelor’s degree programs in the other colleges of RIT should refer to the information for the appropriate college and apply for NTID support and access services during the application process. A Pre-baccalaureate Studies Option also is available for students who may need additional preparation before entering a bachelor's degree program.  | 12120 -1370 | 25-30         |
| National Technical Institute for the Deaf (NTID) | • American Sign Language-English Interpretation (BS)  | • 3 years of math required  
• 2 years of a foreign language recommended  
• Must demonstrate ASL competency  | 12120 -1370 | 25-30         |
| National Technical Institute for the Deaf (NTID) | Associate Degree Leading to Bachelor's Degree (A + B) Programs  (Deaf and Hard-of-Hearing Students ONLY)  | • 2 years of math required; students interested in engineering, math and science-transfer programs should have three or more years of math.  
• 1 year of science required; students interested in engineering, math and science-transfer programs should have two or more years of science.  
• Physics is recommended for students interested in engineering.  
• English language skills as evidenced by application materials determine associate degree options.  | Most applicants to NTID submit ACT scores. NTID recommends that applicants submit the ACT score, but will consider either SAT or ACT.  | 14-16         |
| National Technical Institute for the Deaf (NTID) | Career-focused Associate Degree Programs  (Deaf and Hard-of-Hearing Students ONLY)  | • 2 years of math required  
• 1 year of science required  
• English language skills as evidenced by application materials determine associate degree options.  | Most applicants to NTID submit ACT scores. NTID recommends that applicants submit the ACT score, but will consider either SAT or ACT.  | 14-16         |
| National Technical Institute for the Deaf (NTID) | School of Individualized Study (SOIS)  | This degree offers students the opportunity to create individualized undergraduate programs of technical and professional study.  |                |               |

* A one-year program for students wishing to explore alternatives before selecting a specific major within this RIT college or school.
FINANCIAL AID AND SCHOLARSHIPS

Take the first step. You’ve decided that you’re looking for the quality, reputation, and responsiveness of a private college or university. How can your family afford this investment in your future?

RIT has a long history of providing educational opportunities to qualified students regardless of their families’ economic circumstances. We offer a comprehensive financial aid program consisting of merit-based scholarships and a full range of need-based grants, loans, and campus employment programs. More than 77 percent of full-time undergraduate students at RIT received more than $320 million in financial aid this year. Many students and families also take advantage of our monthly payment plan, tuition prepayment plan, and opportunities for students to earn salaries through cooperative education.

Who receives financial aid and scholarships?
Financial aid and scholarships are awarded on the basis of demonstrated financial need and academic merit. Students from all income ranges are offered financial aid and scholarships each year and, as a result, find an RIT education affordable. Families who are least able to meet educational expenses generally qualify for the most assistance through scholarships, grants, work-study programs, and federal student loans.

Your financial need
Eligibility for need-based financial aid at RIT begins with two basic requirements: enrollment in a degree program for six or more credits per semester, and demonstrated financial need.

Financial need is the difference between the cost of your education and the amount that you and your family can afford to pay toward meeting that cost. Your financial need is determined by an analysis of information provided on the Free Application for Federal Student Aid (FAFSA). The FAFSA is available at www.fafsa.gov.

If you are seeking fall admission as a freshman, you may begin the process of applying for aid after October 1. To receive full consideration, it is important that you file your financial aid application by November 1 for Early Decision I, January 1 for Early Decision II and January 15 for Regular Decision. Applications received after those dates will receive consideration as long as funds are available.

Types of aid
Merit-based scholarships are awarded in recognition of outstanding academic and extracurricular achievements, regardless of financial need. All freshman admission applications submitted to RIT by January 15 will be reviewed for merit-based scholarship consideration.

A number of merit-based scholarships are awarded through our Presidential Scholarship program for entering freshmen. Scholarship recipients are selected on the basis of their excellent academic records, recommendations, and the requirements for their intended academic program.

RIT Founders Scholarships recognize applicants who have excelled in academic and extracurricular activities and also demonstrated special abilities in areas such as leadership, community service, entrepreneurship, or artistic talent.

Grants are gifts of financial assistance awarded on the basis of demonstrated financial need. Students may qualify for need-based grants offered by RIT as well as grants from state and federal governments, such as federal Pell Grants and the New York State Tuition Assistance Program (TAP).

Student loans offered through the federal Direct Loan and federal Perkins Loan programs are not repaid until after graduation or termination of study, and interest rates are low.

Employment opportunities also are available to help meet college expenses. More than 5,000 students were employed on campus last year. Full-time salaried employment through RIT’s cooperative education program also can contribute to meeting college expenses.

ROTC programs offer eligible students excellent scholarship opportunities. For additional information on Army ROTC, call 585-475-2881; Air Force ROTC, 585-475-5197; and Navy ROTC, 585-275-4275.

The Office of Financial Aid and Scholarships is available to provide more detailed information. Contact the office at 585-475-2186, via email at ritaid@rit.edu, or rtdaid@rit.edu, or via the web at rit.edu/financialaid with any financial aid or scholarship questions you may have.

RIT expenses 2018-2019
A typical full-time resident student enrolling for the first time will have the following 2018-2019 academic year expenses at RIT. We estimate that the typical student also will spend an average of $2,054 a year for books, travel, and personal expenses. Students attending for less than two academic semesters incur one-half of the charges listed during each semester at RIT.

<table>
<thead>
<tr>
<th>Charges</th>
<th>Academic Year (two semesters)</th>
<th>NTID*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$43,546</td>
<td>$16,518</td>
</tr>
<tr>
<td>Room (double)</td>
<td>7,598</td>
<td>7,598</td>
</tr>
<tr>
<td>Board (standard plan)</td>
<td>5,448</td>
<td>5,448</td>
</tr>
<tr>
<td>Fees</td>
<td>584</td>
<td>584</td>
</tr>
<tr>
<td>Total</td>
<td>$57,716</td>
<td>$30,148</td>
</tr>
</tbody>
</table>

*Deaf and hard-of-hearing students who are U.S. citizens enrolled in any undergraduate major and students enrolled in the ASL-English interpretation major will pay these charges instead of the regular academic year charges.
Discover. Explore. Relax. High-tech industry, history and culture, entertainment, recreation—you’ll find all of these and more in Rochester. Students from 11 colleges and universities, four of which are within five miles of RIT, add spirit and style to the area.

The RIT campus is about six miles from downtown Rochester—just minutes away if you want to explore and enjoy the city’s entertainment, cultural, and employment opportunities. If you’re seeking a dynamic environment, Rochester offers a perfect setting—it’s large enough to provide the dining and nightlife opportunities you might expect in a bigger city, yet small and friendly enough to be inviting and accessible. In fact, Rochester was rated sixth overall in the “best places to live” category by Places Rated Almanac.

High-tech, communications, optics, research, and manufacturing companies, including many Fortune 500 companies, choose Rochester as their base of operations. The city has more than 4,000 exporting companies. Xerox Corp., Bausch & Lomb, Inc., Paychex Inc., Frontier Corp., Eastman Kodak Co., and other national and international firms make Rochester a great place to learn about the world of business. In addition, these firms and other Rochester companies offer excellent co-op and permanent employment opportunities.

The Genesee River—one of the few north-flowing rivers in the world—cuts through the center of the city, where it tumbles 96 feet straight down at High Falls before continuing on to Lake Ontario, easternmost of North America’s Great Lakes. The greater Rochester area is home to more than one million people, making it the third-largest metropolitan area in New York state.

Plenty to do

Entertainment comes in many forms in Rochester. From a performance by the Rochester Philharmonic Orchestra in the fabulous Eastman Theatre to a poetry reading at Java’s Café to a soccer match at Marina Auto Stadium, there’s sure to be something to suit you. Highlights for many students include visits to Seneca Park Zoo, Geva Theatre, Seabreeze Amusement Park, The Strong National Museum of Play, Memorial Art Gallery, Strasenburgh Planetarium, Rochester Museum & Science Center, and the George Eastman House International Museum of Photography and Film. You’ll find an exciting selection of art galleries, cinemas, theaters, comedy clubs, restaurants, concert halls, and nightclubs featuring live music and dancing.

With several professional sports teams, Rochester has been rated the best minor-league sports market. The Rochester Americans (ice hockey), Red Wings (baseball), Knighthawks and Rattlers (indoor and outdoor lacrosse, respectively), Rhinos (soccer), RazorSharks (basketball), and Western New York Flash (women’s soccer) among others, are cheered on by their enthusiastic hometown fans.

Throughout Rochester you’ll find tree-lined streets; historic architecture; summer festivals; and plenty of shopping, dining, and entertainment options to fit a student budget. You also can experience some of the flavor of Rochester in the nearby villages and towns, many of which are located on the historic Erie Canal. Nature lovers will find parks, beaches, mountains, gorges, lakes, and streams that provide year-round outdoor recreation and sightseeing. And let’s not forget golf courses: Rochester is one of the Top 40 Best Golf Towns in America, according to Golf Magazine.

You’re within six hours by car of New York City, Boston, Detroit, Philadelphia, Pittsburgh, Cleveland, and Montreal, and much closer than that to Niagara Falls and Toronto.
For $15 or less, you can:
• Have a cappuccino at Spot Coffee
• See a band at Lovin’ Cup
• Eat a “garbage plate” at Nick Tahou’s
• See a Red Wings baseball game at Frontier Field
• Enjoy some Abbott’s frozen custard
• See a CineMagic film at the Planetarium
• Order BBQ ribs at Sticky Lips
• Visit the Seneca Park Zoo
• Take a ride on the Erie Canal
• Eat a pizza at Brandani’s
• Visit museums, galleries, and more

Photo courtesy of Visit Rochester
COME AND VISIT RIT!

To get a feel for academic and student life at RIT, nothing beats a campus visit. We encourage you to explore all that RIT has to offer. Take a campus tour and capture your impressions of this attractive, friendly, and upscale university with outstanding facilities.

RIT is an active, fascinating place, and a campus visit is the best way to see if it is right for you. Our campus tours, information sessions, admissions interviews, and open house programs have been designed with your particular interests in mind.

Personal interviews are available year-round. Group information sessions are available at varied times of the year. During your visit you’ll have the chance to meet with admissions counselors and faculty members and get answers to any questions you may have.

Our goals during your visit are twofold—to help you form accurate impressions about our university and to help us learn more about you. In order to make the most of your visit, we ask that you contact us in advance to schedule specific arrangements. You may make an appointment by:

- calling 585-475-6631 (M-F 8:30 a.m. – 4:30 p.m. EST), or
- going online at admissions.rit.edu—just click the “Visit” link

Deaf and hard-of-hearing students may arrange campus visits by:

- calling 585-475-6700, toll free in the U.S. and Canada at 866-644-6843, or
- videophone at 585-743-1366, or
- going to rit.edu/NTID/visit

Campus tours

A 75-minute, student-guided campus walking tour of our academic, athletic, and campus life facilities is conducted at 10 a.m., noon, and 2 p.m., Monday through Friday, when classes are in session. These tours leave from the Undergraduate Admissions Office in the Bausch & Lomb Center. Weekend tours are offered at 11 a.m. on selected Saturdays. Please schedule an appointment to verify availability before you plan your visit.

Open house programs

You may want to visit RIT during one of our special Open House programs, offered on the dates listed below. These programs feature extensive opportunities to meet with RIT faculty and staff. Admissions representatives are available at group presentations during campus programs, but are not able to schedule individual interview appointments on these dates. Campus tours are provided. Please contact the Undergraduate Admissions Office for additional details.

Fall Open Houses
Saturday, Sept. 29, 2018
Monday, Oct. 8, 2018
Saturday, Nov. 10, 2018
Friday, Dec. 7, 2018

Spring Preview Day
Friday, April 12, 2019

Directions

RIT’s campus is conveniently located five miles from the Greater Rochester International Airport and the New York State Thruway (Interstate 90).

From the Airport: Turn right onto Brooks Avenue, then right onto Interstate 390 South. From 390, take the Scottsville Road exit and turn right. Drive for approximately three miles, then turn left onto Jefferson Road. Travel east for approximately one-half mile to the campus.

From Interstate 90: Take exit 46 and proceed north on Interstate 390 to exit 13 (Hylan Drive). Turn left on Hylan and continue north to Jefferson Road. Turn left on Jefferson and proceed west for approximately two miles to the campus.

Address for GPS: One Lomb Memorial Drive, Rochester, NY 14623
RIT IN BRIEF

COLLEGES AND DEGREE-GRANTING UNITS:
- College of Art and Design
- School for American Crafts
- School of Art
- School of Design
- School of Film and Animation
- School of Photographic Arts and Sciences
- Saunders College of Business
- B. Thomas Golisano College of Computing and Information Sciences
- Kate Gleason College of Engineering
- College of Engineering Technology
- School of Media Sciences
- College of Health Sciences and Technology
- Wegmans School of Health and Nutrition
- College of Liberal Arts
- National Technical Institute for the Deaf
- College of Science
- Chester F. Carlson Center for Imaging Science
- Thomas H. Gosnell School of Life Sciences
- School of Mathematical Sciences
- School of Chemistry and Materials Science
- School of Physics and Astronomy
- Golisano Institute for Sustainability
- School of Individualized Study

FOUNDED IN 1829, Rochester Institute of Technology is a privately endowed, coeducational university with nine colleges and two degree-granting units emphasizing career-focused education and experiential learning.

THE CAMPUS occupies 1,300 acres in suburban Rochester, the third-largest city in New York state. RIT also has international campuses in China, Croatia, Dubai, and Kosovo.

DEGREES: RIT offers the following degrees: doctoral (Ph.D.) programs in astrophysical sciences and technology, color science, computing and information sciences, engineering, imaging science, mathematical modeling, microsystems engineering, and sustainability, master’s degree programs: master of architecture (M.Arch.), master of business administration (MBA), master of engineering (M.Eng.), master of fine arts (M.F.A), master of science (M.S.), and master of science for teachers (MST), bachelor’s degree programs: bachelor of fine arts (B.F.A) and bachelor of science (B.S), and associate degree programs: A.S., A.A.S.

THE RIT STUDENT BODY consists of approximately 15,700 undergraduate and 3,250 graduate students. Enrolled students represent all 50 states and more than 100 countries. More than 3,400 students from diverse racial and ethnic backgrounds are enrolled on the main campus along with nearly 2,700 international students. An additional 2,188 students are enrolled at RIT’s international campuses.

RIT is an internationally recognized leader in preparing deaf and hard-of-hearing students for successful careers in professional and technical fields. The university provides unparalleled access and support services for the more than 1,100 deaf and hard-of-hearing students who live, study, and work with hearing students on the RIT campus.

RIT STUDENT BODY number nearly 125,000 worldwide.

COOPERATIVE EDUCATION provides paid career-related work experience in many degree programs. RIT has the fourth-oldest and one of the largest cooperative education programs in the world, annually placing more than 4,400 students in nearly 6,300 co-op assignments with nearly 2,300 employers across the United States and overseas.

The RIT LIBRARIES consist of Wallace Library, the RIT Archive Collections, and the Cary Graphic Arts Collection. Wallace Library provides a vast array of resource materials, both print and online, and is open 24/7 during the academic year. Librarians associated with each college are ready to assist with research and class assignments. The RIT Archive Collections serves as the official repository for RIT’s historically valuable records and artifacts. The Cary Collection is one of the country’s premier libraries on graphic communication history and practices, and has a policy of liberal access for all students. For more information: http://library.rit.edu.

HOUSING: Many of RIT’s full-time students live in RIT residence halls, apartments, or townhouses on campus. Off-campus fraternities, sororities, and special-interest houses are also available. Freshmen are guaranteed housing.

STUDENT ACTIVITIES: Major social events and activities are sponsored by the College Activities Board, Residence Halls Association, sororities, fraternities, and special-interest clubs of many kinds. There are more than 300 clubs and student organizations on campus.

ATHLETICS: Men’s Teams—baseball, basketball, crew, cross country, ice hockey (Division I), lacrosse, soccer, swimming, tennis, track, and wrestling

Women’s Teams—basketball, crew, cross country, ice hockey (Division I), lacrosse, soccer, softball, swimming, tennis, track, and volleyball

RIT offers a wide variety of activities for students at all levels of ability. More than 50 percent of our undergraduate students participate in intramural sports ranging from flag football to golf to indoor soccer. Facilities include the Gene Polisseni Center, which houses RIT’s hockey arena and accommodates 4,300; the Gordon Field House, featuring two swimming pools, a fitness center, indoor track, and a volleyball court, eight racquetball courts, and a dance/ aerobics studio; the Ritter Ice Arena; and outdoor facilities including an all-weather track, tennis courts, and several athletic fields.

EXPENSES: Full-time students enrolling for the first time and living in an RIT residence hall have the following 2018-19 academic year expenses. We estimate that the typical student also spends an average of $2,054 per year for books, transportation, and personal expenses.

<table>
<thead>
<tr>
<th>Charges</th>
<th>2018-2019 Academic Year (two semesters)</th>
<th>NTID*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$43,546</td>
<td>$16,518</td>
</tr>
<tr>
<td>Room (double)</td>
<td>7,598</td>
<td>7,598</td>
</tr>
<tr>
<td>Board (standard plan)</td>
<td>5,448</td>
<td>5,448</td>
</tr>
<tr>
<td>Fees</td>
<td>$84</td>
<td>$84</td>
</tr>
<tr>
<td>Total</td>
<td>$57,176</td>
<td>$30,148</td>
</tr>
</tbody>
</table>

* Deaf and hard-of-hearing students who are U.S. citizens enrolled in any undergraduate program and students enrolled in the ASL-English Interpretation major will pay these charges instead of the regular academic year charges.

VISITS TO CAMPUS: are encouraged and may be arranged in advance by calling 585-475-6631. Deaf and hard-of-hearing students may arrange campus visits by calling 585-475-6700, toll free in the U.S. and Canada at 866-644-6843, or by videophone at 585-743-1366.

HOME PAGE: www.rit.edu

EMAIL: admissions@rit.edu

UNIVERSITY COLORS: Orange and brown

UNIVERSITY MASCOT: Bengal tiger “Ritchie”

UNIVERSITY ATHLETIC TEAMS: Tigers

RIT does not discriminate. RIT promotes and values diversity within its workforce and provides equal opportunity to all qualified individuals regardless of race, color, creed, age, marital status, sex, gender, religion, sexual orientation, gender identity, gender expression, national origin, veteran status, or disability.

The Advisory Committee on Campus Safety will provide, upon request, all campus crime statistics as reported to the United States Department of Education. RIT crime statistics can be found at the Department of Education website: http://ope.ed.gov/security, and by contacting RIT’s Public Safety Department at 585-475-6620 (v/tty).

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