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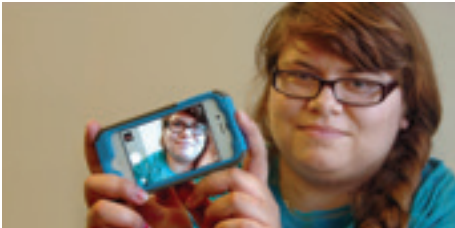
EXPERIENCE MATTERS: CO-OP AND EXPERIENTIAL EDUCATION



Co-op and Internship Overview		Program Length in Years	Months of Co-op/Internship Required in Degree Program	Average Earnings Per Semester Co-op Period	Number of Students Per Year
Field of Study					
College of Applied Science and Technology					
Engineering Technology Civil, Computer, Electrical, Manufacturing, Mechanical; Safety Technology	5	14	\$9,276	550	
Environmental Sustainability, Health and Safety	5	11	\$8,645	40	
International Hospitality and Service Management	4	9	\$5,860	130	
Packaging Science	4	6	\$10,995	90	
Saunders College of Business					
Accounting, Finance, International Business, Management, Marketing, New Media Marketing	4	4-6	\$7,548	225	
Management Information Systems	4	4-6	\$9,715	50	
B. Thomas Golisano College of Computing and Information Sciences					
Computer Science	5	11	\$12,595	400	
Computing Security	4	6	\$10,450	125	
Game Design and Development, New Media Interactive Development	4	6	\$9,435	200	
Information Technology	4	6	\$9,870	195	
Networking and Systems Administration	4	6	\$10,428	135	
Software Engineering	5	11	\$11,840	160	
Kate Gleason College of Engineering					
Biomedical Engineering, Chemical Engineering	5	14	\$8,965	100	
Computer Engineering, Electrical Engineering (all options)	5	14	\$10,920	400	
Industrial Engineering (all options), Mechanical Engineering (all options)	5	14	\$10,235	575	
Microelectronic Engineering	5	14	\$11,940	50	
College of Health Sciences and Technology					
Biomedical Sciences	4	Co-op optional	\$5,850	15	
Diagnostic Medical Sonography (Ultrasound)	4	Clinical internship	unpaid	—	
Nutrition Management	4	9	\$5,890	35	
Physician Assistant (BS/MS)	5	Clinical internship	unpaid	—	
College of Imaging Arts and Sciences					
School of Photographic Arts and Sciences (BFA), School of Film and Animation, School of Design, School of Art, School for American Crafts	4	Co-op optional/ internship	\$8,300	50	
Biomedical Photographic Communications (BS)	4	1 co-op or internship	\$7,800	30	
Imaging and Photographic Technology (BS)	4	6	\$7,800	15	
School of Media Sciences Media Arts and Technology	4	6	\$7,410	55	
College of Liberal Arts					
Advertising and Public Relations	4	6	\$6,810	40	
Communication	4	6	\$7,200	15	
Criminal Justice	4	Co-op optional	Not enough salary data	Less than 10	
Economics	4	Co-op optional	Not enough salary data	Less than 10	
International and Global Studies	4	1 co-op or internship	Not enough salary data	Less than 10	
Journalism	4	6	Not enough salary data	Less than 10	
Museum Studies	4	Internship	Unpaid	10	
Philosophy	4	Co-op optional	Not enough salary data	Less than 10	
Political Science	4	Co-op optional	Not enough salary data	Less than 10	
Psychology	4	3	\$6,600	65	
Public Policy	4	1 co-op or internship	Not enough salary data	Less than 10	
Sociology and Anthropology	4	1 co-op or internship	Not enough salary data	Less than 10	
College of Science					
Applied Mathematics, Applied Statistics, Computational Mathematics	4 or 5	Co-op optional	\$12,125	25	
Biochemistry, Biology, Biotechnology and Molecular Bioscience, Chemistry, Environmental Science, Physics, Premed	4 or 5	Co-op optional	\$7,025	45	
Bioinformatics	4 or 5	3	\$7,446	12	
Center for Imaging Science Imaging Science	4	Co-op optional	\$17,100	15	

“Toyota’s experience with RIT has been wonderful. The relationships we have built with career services and the engineering departments are not only better than any other, but beyond our expectations. RIT is a top source of college co-ops and new grads for Toyota.”

Jerry L. Sturdivant, Toyota Motor Engineering & Manufacturing North America



Barbara Pitts

Major: Imaging and photographic technology
Co-op Placement: Ricoh Company
Permanent Employer: Apple, Inc.
Activities: Phi Sigma Pi (National Honors Fraternity), Recover Rochester

Barbara Pitts, an imaging and photographic technology major, is headed to Apple, Inc., where she will become a camera-tuning engineer. Apple took notice of Pitts’ LinkedIn profile that listed the mix of her academic and experiential education, including a co-op at Ricoh in Boulder, Colo. In particular, it was her affinity for photography combined with her strong yearning to discover the technological workings of the camera that Apple found appealing. “At Ricoh, I was working with a team of electrical engineers conducting psychophysical experiments to help improve the algorithms that they were using in relation to printers and image quality. I think that experience—coupled with my ability to understand both the technical aspects of imaging and image quality and pictures from a photographer’s point of view—is what made Apple want to hire me most.”

PHOTO: NORM JOHNSTON, WATERTOWN DAILY TIMES

Learning by Doing

At RIT, cutting-edge academic programs, outstanding faculty, and first-rate classroom and laboratory facilities provide you with a great educational experience. But in today’s world that’s simply not enough. You need to be prepared for the real challenges and opportunities you will experience once you’ve graduated. Your total education must be comprehensive and relevant. It must be tested in real-world settings and on real-world problems before you graduate.

RIT’s co-op and experiential education programs do all that—and more.

RIT offers a full range of experiential learning opportunities. You may, for example ...

- gain valuable work experience through internship and paid cooperative education work assignments with corporations and organizations around the U.S. and abroad.
- join a team solving business problems through industry-sponsored, class-based projects including senior capstone design teams.
- study abroad at one of more than 100 universities in more than 30 countries or travel abroad through RIT-sponsored group or class trips.
- work on an interdisciplinary student team competing at the national or international level.
- work alongside a faculty member on an externally funded research project.
- work part-time on and off campus in assignments designed to complement your academic course of study.

- volunteer your time and experience through our Community and Service Learning programs.

RIT is a world leader in experiential education. Every academic program at RIT offers something in the way of experiential education. Those opportunities are always specific to the educational goals of the course of study, reflective of what’s available in the real world, and sensitive to your needs and interests.

The Bottom Line

Co-op and experiential education at RIT offers you many advantages, but the bottom line is that employers and graduate schools prefer students with related experience. **Consistently, nearly 95 percent of RIT’s graduating students are employed or enter graduate school within six months of graduation. Additionally, of those employed, 50 percent or more begin their careers working full time for one of their co-op employers.** Students with graduate school attendance plans have a competitive edge for admission and are desirable to those programs as a result of co-op and experiential education experience.

Cooperative Education

Cooperative education (co-op) is 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. Periods of full-time study are alternated with periods of full-time employment, offering the best way for you

AL-WORLD SUCCESS



to immerse yourself in the real world and apply what you're learning and experiencing in your studies at RIT. Some academic programs require co-op while others make it available on an optional basis.

RIT has the fourth-oldest and one of the largest cooperative education programs in the world, annually placing more than 4,100 students in more than 6,100 co-op assignments with more than 2,100 employing organizations. Last year those students generated more than \$36 million in earnings through their employment with industry, business, government and the not-for-profit sector throughout the U.S. and in 35 foreign countries.

Experience That Pays

The benefits to participating in co-op and other experiential education opportunities are clear:

- Your classes and course work take on new meaning when you have related work and real-world problem-solving experience to help enrich the classroom discussions.
 - You will be better able to clarify and assess your career interests and goals.
 - You will gain valuable workplace and work-related experience.
 - You will further develop and improve your job search skills.
 - You will make important industry contacts and build your professional network.
 - You can travel and experience new settings and new places.
 - You can generate significant earnings to help offset your college expenses.
- Ultimately, you will prepare yourself

to be the strongest possible candidate for employment and graduate school opportunities upon completion of your degree and be far more knowledgeable about your interests and goals.

Internships

As an alternative to co-op, many academic programs at RIT offer students the opportunity to gain career-related work experience through internships. Students in the medical science programs, for example, are required to complete a clinical internship in the fourth year that provides the experience necessary for professional licensing. Other academic programs, including, for example, public policy and international and global studies, 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 credit may be substituted for specific courses required in the academic major.

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 expand your horizons in every sense. You can immerse yourself in another culture through our Study Abroad programs offered in cooperation with RIT's American College of Management and Technology (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.

Undergraduate Research

RIT students experience a campus that is a nexus of creativity, innovation, and technology. Our faculty is fully engaged in the discovery of new knowledge and, as a result, students from all different disciplines can join teams that work on innovative initiatives—green technology, medical sciences, new products and services, creative arts and crafts, or groundbreaking fundamental research.

RIT provides students with a wide variety of undergraduate research opportunities—from working on an original research project with a faculty member to facilitating applied scientific, engineering, or market research. Additional information can be found at www.rit.edu/research/undergrad.php.

For more than two decades, the culminating event for undergraduate research is the Undergraduate Research Symposium. Students from all of RIT's colleges are eligible to participate. The annual symposium includes speakers, presentations, and poster sessions, and is the showcase for undergraduate research at RIT.



Bryan Ek

Majors: Applied mathematics and physics
Co-op Placement: National Security Agency
Research: RIT's Research Experiences for Undergraduates

Activities: RIT Honors program, Pi Mu Epsilon (Math Honors Fraternity), Sigma Pi Sigma (Physics Honors Fraternity), Mackall Scholar

Bryan Ek, a dual major in applied mathematics and physics, is a winner of the Barry M. Goldwater Scholarship, the premier undergraduate award for students interested in pursuing a career in mathematics, the natural sciences, or engineering. Ek has been conducting research since his sophomore year on minimal k-rankings of bent ladder graphs, and connectivity and efficiency of graphs as they pertain to the efficiency of metro stations and the brain. He is published in both areas of research and has presented his findings at the American Mathematical Society and the Joint Mathematics Meetings.



Tianna Manon

Majors: Journalism and political science
Co-op Placements: *The Hill* newspaper, *Democrat and Chronicle* newspaper

Activities: Invited Speaker, "Future Leaders" panel at RIT's annual Expressions of King's Legacy celebration

When Tianna Manon worked at *The Hill* newspaper in Washington, D.C., as a student in the Institute on Political Journalism, she covered congressional hearings and events, and contributed to feature stories covering news on Capitol Hill. Manon's favorite project was a lengthy feature on Congressman Rick Nolan (D-Minn.), who returned to the U.S. House of Representatives after spending more than 32 years working in domestic and international business and community affairs. "When it was done," says Manon, "Rep. Nolan had it framed and put in his office."



Phillip McKee

Major: Mechanical Engineering
Co-op Placement: Draegerwerk AG & Co. KGaA, Lübeck, Germany

While working at Draegerwerk AG & Co., Phillip supported product development of baby incubators and anesthesia machines. Proficient in SolidWorks, Phillip spent part of his co-op creating visual representations to demonstrate ergonomic factors of specific parts based on reverse engineering. "Overall, my co-op abroad was one of the best learning experiences of my life. It really opened my eyes to the world professionally and personally."



Nicholas Weidenbach

Major: International hospitality and service management
Co-op Placement: J24 World Championship Regatta

Study Abroad: Italy
Activities: Executive Director, RIT's Puttin' on the RITZ Black Tie Dinner

Nicholas Weidenbach brought back a little bit of Italy to his hospitality classes when he returned to RIT after spending 10 days traveling, learning, and cooking his way through the Le Marche region of the country. Weidenbach received the Giacomo Bologna Scholarship, which is given to university students in culinary and hospitality programs by the Gruppo Ristoratori Italiani and the National Restaurant Association Education Foundation. Weidenbach visited restaurants, wineries, and an olive oil mill in the countryside of Montefiore dell'Aso; made pasta with prominent local chefs; and attended educational seminars to learn about Italian cuisine.

A sampling of our employer partners that hire for co-ops, internships, and permanent placement includes:

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

A sample of the graduate schools attended by our recent alumni:

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



Learn by Doing

RIT cooperative education ...

- One of the oldest and largest in the world
- More than 4,100 student participants annually
- More than 6,100 work assignments completed each year
- More than \$36 million in collective student earnings annually
- More than 2,100 employer partners throughout the U.S. and overseas

www.rit.edu
www.rit.edu/co-op/careers

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.

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What Assistance is Available?

The Office of Cooperative Education and Career Services provides state-of-the-art services, educational seminars and critical information to assist in developing and implementing your career and employment plans. Most critically, the expertise and knowledge of the co-op and career services staff will provide you with the insight and perspective essential to a successful job search or graduate school application.

RIT's cooperative education program is world-renowned. "Not only do you learn more about yourself and your interests, but you develop important skills and acquire critical experiences that pay off in terms of job opportunities, salary offers or graduate school application success once you complete your degree," says Manny Contomanolis, associate vice president and director of Cooperative Education and Career Services.



Your successful career begins with us at RIT!