



ABOUT RIT

ADMISSION

PROGRAMS

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Reputation

Quality

Convenience

Results



Online Studies 2011-12

University Calendar

Fall Quarter (20111)

April 19–September 5, 2011
Fall registration

August 29
Online course access opens

September 5
Day, evening, and online classes begin

September 10
Saturday classes begin

September 11
Last date to add/drop courses

September 12
First day to withdraw online via SIS; receive a "W" grade

October 28
Last date to withdraw online with a "W" grade

November 11
Last day and evening classes

November 12
Last Saturday classes

November 14-19
Final exams

November 19
Last online classes

November 20-27
Fall/Winter break

November 24-26
Thanksgiving
(University closed)

Winter Quarter (20112)

October 18–November 28, 2011
Winter registration

November 21
Online course access opens

November 28
Day, evening, and online classes begin

December 3
Saturday classes begin

December 4
Last date to add/drop courses

December 5
First day to withdraw online via SIS; receive a "W" grade

December 16
Last day and evening classes before break

December 17
Last Saturday and online classes before break

December 18–January 1, 2012
Holiday break

December 25–January 1, 2012
University closed

January 2
Day, evening, and online classes resume

January 7
Saturday classes resume

February 3
Last date to withdraw online with a "W" grade

February 17
Last day and evening classes

February 18
Last Saturday classes

February 20-25
Final exams

February 25
Last online classes

February 26–March 4
Winter/Spring break

Spring Quarter (20113)

January 24–March 5, 2012
Spring registration

February 27
Online course access opens

March 5
Day, evening, and online classes begin

March 10
Saturday classes begin

March 11
Last date to add/drop courses

March 12
First day to withdraw online via SIS; receive a "W" grade

April 27
Last day to withdraw online with a "W" grade

May 11
Last day and evening classes

May 12
Last Saturday classes

May 14-18
Final exams

May 18
Academic Convocation and Commencement Ceremonies

May 19
Last online classes

May 19
Commencement Ceremonies

May 20–June 3
Spring/Summer break

May 28
Memorial Day
(University closed)

Summer Quarter (20114)

April 16–June 4, 2012
Summer registration

May 28
Online course access opens

June 4
Day, evening, and online classes begin

June 9
Saturday classes begin

June 10
Last date to add/drop courses

June 11
First day to withdraw online via SIS; receive a "W" grade

July 4
Independence Day
(University closed)

July 27
Last day to withdraw online with a "W" grade

August 10
Last day and evening classes

August 11
Last Saturday classes

August 13-18
Final exams

August 18
Last online classes

**Refer to the 2011-2012 Registration Guide for specific registration dates and times, or the Student Information System (SIS) at <http://infocenter.rit.edu>.*

RIT is chartered by the legislature of the State of New York and accredited by The Commission on Higher Education, Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, Pa. 19104-2680, 215-662-5606, and New York State Education Department, Office of College and University Evaluation, 5 North Mezzanine, Albany, N.Y. 12234, 518-474-2593.

In addition to institutional accreditation, curricula in the colleges are accredited by appropriate professional accreditation bodies. Where applicable, specific mention of these is included in the college descriptions. Students wishing to review documents describing accreditation should contact the Office of the Associate Provost for Academic Programs.

PDF-P1179-8/11-MEM

Why RIT, Why Online?

585-475-2229
toll free 866-260-3950
www.rit.edu/online
opes@rit.edu

At RIT, we believe that the journey is just as important as the destination. Our online learning students receive the same education and opportunities as their campus counterparts. Experience the flexibility, quality, and support that are the hallmarks of online learning at RIT.

Experience

Founded in 1829, RIT is an internationally recognized leader in imaging, engineering and technology, business and communication, and the arts. RIT has 30 years of experience in distance learning and offers one of the largest and most established online learning programs in the U.S. Each year, nearly 5,000 individuals take courses online from RIT.

Reputation

RIT faculty have extensive experience in the classroom, in research, and in their professional fields. RIT is regionally accredited by the Middle States Association of Colleges and Schools, and many of our individual colleges and programs have professional accreditation from business and industry. RIT has been recognized by *U.S. News & World Report* as the number one comprehensive university in the North for academic reputation and as one of America's "Best College Values." More than 100,000 alumni worldwide include business, industry, and government leaders.

Award-Winning Excellence

In 2008 RIT's online course administrators received the **Center of Excellence Award** from the New Media Consortium (NMC). Each year NMC recognizes demonstrated excellence and outstanding achievement in the application of

technology to learning or creative expression with its highest honor, the Center of Excellence Award. This award was in recognition of the support of emerging technologies, faculty innovation, and online learning.



Quality

Degree programs offered and courses taught online at RIT are of the same high quality as those offered on campus. Online courses meet the same rigorous objectives set for traditional classroom experiences, and faculty who teach online courses often teach the same class in a traditional format. When you achieve a degree through online study at RIT, you receive the same diploma as on-campus graduates—no distinction is made between online and on-campus degrees.



Convenience

Online learning at RIT makes it possible to balance work, family, and school like never before. With the classroom on your desktop, you can study and take classes anywhere there's an Internet connection,

at times that are convenient and flexible. Our flexible quarter system offers the opportunity to take classes four times each year.



Resources

All of the functions of a traditional university are available online—including admission, financial aid services, course registration, tuition payment, career advisement, a comprehensive library, and a bookstore. You also have access to the Online Learning Student Community for learning support and sharing common interests.



Support

RIT is dedicated to helping students experience a high level of support to ensure academic success.

Online learners are provided full access to a comprehensive array of services including orientation, an online student community, proctored exam assistance, an academic adviser, and a support desk available to answer general and technical questions via e-mail, IM, phone, or in person.

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“My time as an RIT online student has been one of the most rewarding experiences of my life. I hope to be an inspiration to those who desire education, but are not sure that they can find the time, motivation, or support to do it. If this experience has taught me anything, it is that education does not take away from our lives, but only adds to it.”

John K., BS, Applied Arts and Science '09; MS, Environmental, Health and Safety Management '11; Dedham, MA

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**Some campus visits required*

Programs by Academic Emphasis

585-475-2229
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www.rit.edu/online
opes@rit.edu

RIT offers numerous online graduate and undergraduate options divided among six core areas of emphasis.

Art, Design, Crafts, Photography, Film, Graphic Arts

- Advanced Technical Communication (Cert)
- Basic Technical Communication (Cert)
- Public Relations Communications—Professional Writing (Cert)
- Technical Information Design (Adv Cert)

Engineering and Technology

- Environmental, Health, and Safety Management (MS)*
- Fundamentals of Manufacturing Management (Cert)
- Microelectronics Manufacturing Engineering (ME)
- Telecommunications Engineering Technology (MS)

Business, Management, and Human Services

- Elements of Health Care Leadership (Adv Cert)
- Executive MBA
- Facility Management (MS)
- Health Information Resources (Adv Cert)
- Health Systems Administration (MS)
- Health Systems Administration—Executive Leader (MS)*
- Health Systems Management (Cert)
- Health Systems Finance (Adv Cert)
- Human Resource Development (MS)
- International Logistics and Transportation (Cert)
- Project Management (Adv Cert)
- Quality Management (Cert)
- Senior Living Management (Adv Cert)
- Service Leadership and Innovation (MS)
- Service Leadership and Innovation (Adv Cert)
- Small Business Management (Cert)
- Strategic Training (Adv Cert)

Computing and Information Sciences and Technology

- Networking Planning and Design (Adv Cert)
- Networking and Systems Administration (MS)

Multidisciplinary Studies

- Applied Arts and Science (AAS)
- Applied Arts and Science (BS)
- Applied Arts and Science (Diploma)
- Professional Studies (MS)

Science, Mathematics, and Imaging Science

- Applied Statistics (MS)
- Imaging Science (MS)
- Statistical Methods for Product and Process Improvement (Adv Cert)
- Statistical Quality (Adv Cert)

*These programs contain a campus component. Refer to the program listing for details.

For the most updated program listing please visit www.rit.edu/online

Welcome

“Truly successful online learning students take advantage of the learning experience. They treat being a student as a journey instead of as a task. They are more interested in getting an education than a degree.”

Melissa Lamphron, MS, Environmental, Health, and Safety Management '07

Welcome to online learning at Rochester Institute of Technology. RIT has been offering distance education programs for 30 years. We converted to the flexible Internet-based mode of delivery in 1996, which makes us one of the most experienced providers of online learning in the country.



At RIT, we're dedicated to lifelong learning. The online experience is designed to enable adults with professional and personal obligations to become fully engaged in a first-class, regionally accredited educational experience and ultimately earn an undergraduate or graduate degree or certificate.

RIT's academic advisers and student services staff can assist you with choosing the right degree or certificate program and with learning how to become an effective online learning student.

What's it like to learn online?

Online classes are just as demanding as their bricks-and-mortar counterparts. Each online classroom is set up by the professor and is designed to satisfy and accomplish the goals of that course. However, it frequently takes more self-discipline, time management skills, and dedication to succeed in an online learning environment. The online environment offers flexibility to fit around your schedule, but the convenience of not coming to campus must be offset with rigorous study skills. Without a physical campus environment, students will find they need strong independent study and learning habits.



As in a traditional class, you have to be on top of your course work. You still have to read the textbook and/or other class reading materials, you still have to follow a syllabus, hand in

your research and writing assignments on time, and do well on any quizzes or exams you may need to take.

Most online courses establish either a weekly schedule for learning activities or a project-based learning approach where deliverables are required to demonstrate that certain learning outcomes are accomplished. Students interact online with other students and instructors to exchange ideas and collaborate much like they would in a traditional, face-to-face learning environment. Each professor will decide which learning outcomes are necessary for a particular course and how those outcomes are assessed. For example, if a professor decides to assess students by means of an exam, he/she may choose to use an online exam or a proctored exam.

RIT faculty

All online courses meet the same rigorous objectives set forth in RIT's traditional face-to-face classes. Faculty who teach online often teach the same class in a traditional format. However, just as each professor establishes the learning outcomes for a traditional course, each online classroom is set up by the professor and designed to accomplish the goals of that course. RIT faculty have national and international reputations built on distinguished careers in teaching, consulting, and research. They continually redesign curricula to keep them current and relevant. Forty percent of all the curricula offered at RIT has been introduced in the last five years.

Resources and services available to you

All the functions of a traditional university are available online, including admission, financial aid services, registration, tuition payment, a comprehensive library, and a bookstore. Online students have a few additional services available, including:

- overnight delivery of RIT Library-owned books at no charge
- Online Student Community (OSC) accessible via myCourses, providing information, support, social interaction, and community events
- General and technical support via e-mail, IM, phone, and in person.

Online learning at a glance

All online courses are taught using the Internet and Web-based technologies. To be a successful online learner you need to be comfortable using a computer and working on the Internet. Online learning students are required to have access to a computer with Internet access. Students may be able to access these resources on campus, at work, or through other public resources, but we strongly recommend having your own computers and resources. Online learning students are required to have access to the following:

Minimum Computer Requirements

- Windows XP or Mac OS X
- Internet Explorer 7.x, Firefox 3.x, or Safari 3.x
- 512 megabytes (MB) of RAM
- 56K modem (broadband strongly recommended)

Some courses may require:

- DVD player (capable of playing US DVDs, Region 1)
- CD or DVD drive for CD-ROM playback
- Sound card and speakers/headphones
- At least 1 gigabyte (GB) available hard-drive space
- Webcam and/or microphone
- Additional software
- Additional RAM
- FAX machine
- Scanner

**Refer to the course syllabus for any course-specific requirements.*

All online learning courses are instructor-led and highly interactive. Even though there is no physical meeting space, the online learning

environment does incorporate both faculty-to-student and student-to-student interaction and dialogue that is rewarding and enriching.

Quarterly online registration and class calendar

Online learning courses are 11 weeks long and begin four times each year in September, December, March, and June, mirroring RIT's standard calendar for full- and part-time campus students. The institute calendar is published on the inside cover of this guide.



Students registering for online courses are strongly encouraged to register early to ensure their course selections.

For a tentative listing of online courses available during the 2011-12 academic year, see the back of this guide.

RIT's *Online Studies Guide* does not constitute a contract between the university and its students on either a collective or an individual basis. It represents RIT's best academic, social, and financial planning at the time of publication. Course and curriculum changes; modification of tuition, fees, and other charges; plus unforeseen changes in aspects of RIT sometimes occur after the guide has been printed, but before the changes can be incorporated in a later edition of the same publication. Because of this, RIT does not assume a contractual obligation with its students for the contents of this guide.

Graduate Degrees

“My online learning experience at RIT has been an exciting amalgamation of gifted professors, intuitive learning software; and a wonderful support community. RIT has met and/or exceeded my expectations for graduate level online learning.”

Alec H., MS, Professional Studies seeking, Sikosky Aircraft, Milford, CT

APPLIED STATISTICS

Statistics is the science of making decisions in the face of uncertainty. Statistical thinking and methods are essential to a broad spectrum of industrial, research, educational, business, and government activities. The Kate Gleason College of Engineering, through the John D. Hromi Center for Quality and Applied Statistics, offers a master of science degree in applied statistics that provides state-of-the-art statistical thinking and methods.

The online learning schedule has been arranged so that students may take one or possibly two courses per quarter. Students pursuing the MS on a part-time basis complete the degree in two to four years when normal progress is made.

Curriculum review

Students complete seven core courses (3 credits each), including

0307-742	Statistical Computing
0307-801	Design of Experiments I
0307-802	Design of Experiments II
0307-821	Theory of Statistics I
0307-822	Theory of Statistics II
0307-841	Regression Analysis I
0307-842	Regression Analysis II

These core courses must be taken within the first 30 credit hours of the degree. Students also must complete a four-course sequence in a career option such as quality engineering, industrial statistics, statistical theory and methods, or a personalized option.

Advisers will help to identify an appropriate career option and to develop a total program structured to meet individual professional objectives.

Elective courses are usually department courses but may include up to nine credits from other courses that are related to the program and that are consistent with professional objectives. All students, with the approval of their advisers, may choose to write a research thesis or research project instead of taking the full three electives.

The capstone course is designed to ensure that students can integrate the knowledge from their other courses to solve more complex problems.

Program Credits	45
Number of Courses	13 plus thesis or 14 plus project or 15
Transfer Credit	—
Campus Component	none

For academic advising contact:

Steven M. LaLonde, Ph.D.
Graduate Program Director
Center for Quality and Applied Statistics
585-475-5854
E-mail: steven.lalonde@rit.edu
Web: www.rit.edu/eng/cqas

ENVIRONMENTAL, HEALTH, AND SAFETY MANAGEMENT

The last decade has seen significant changes in how organizations view and manage environmental, health, and safety (EHS) issues. Increasingly, companies are capitalizing on the synergies among these three areas by managing them together, creating a need for professionals who are cross-trained in all three functions. The emergence of voluntary standards and codes of conduct, including international standards, coupled with the need to manage costs and limit resources, has resulted in a trend to go beyond regulatory compliance and work toward sustainability through the use of environmental, health, and safety management systems that are integrated into key business processes.

RIT's master of science degree in environmental, health, and safety management was developed by experienced professionals and

designed to provide students with a solid foundation in both the technical and managerial aspects of developing, designing, and implementing environmental, health, and safety systems. The program utilizes an integrated systems focus to ensure that students can:

- identify and leverage the regulatory, voluntary, and business drivers for environmental, health, and safety programs;
- design and implement effective management systems and programs;
- design and implement performance measurement processes to verify effectiveness; and
- demonstrate how an effective environmental, health, and safety management system adds value to the organization.

The program is designed to be completed on campus or through online learning in 15 months of full-time study, or in two years of part-time study while working full time. Students can tailor an individual program of study by complementing core and foundation courses with professional electives that match their academic and career interests. Students completing the degree through online learning are required to come to campus twice for three-day executive leader sessions.

Admission requirements

The program is primarily designed for EHS professionals, and other professionals planning a career move into the EHS field. However, those with a BS degree who have completed the proper course work and are willing to complete one quarter of cooperative education also may be qualified to complete the program.

In addition to the standard admission requirements listed on page 32 of this guide, applicants should have the following undergraduate preparation:

- at least 20 quarter credit hours (or 14 semester hours) of college-level science course work, with at least 4 credit hours (or 3 semester credit hours) in each of the following categories: general or organic chemistry; biology, microbiology, ecology or biochemistry; and physics, geology, hydrology or geochemistry (Applicants with appropriate professional certification who do not meet the minimum level of science course work will be evaluated on a case by case basis to determine if they are eligible to enter the program.);
- at least one college-level course in statistics

In addition to the standard application submission criteria listed on page 32 of this guide, applicants must submit two writing samples to demonstrate written communication skills.

International students are required to achieve a minimum score of 570 on the Test of English as a Foreign Language (TOEFL) written exam, or 230 on the electronic version of the exam, or 88 on the Internet version of the exam. In addition, international students should begin the program in the fall quarter.

Generally, applicants are expected to have formal academic training or documented experience in the areas of environmental management (air, water, solid and hazardous waste), occupational health, and occupational safety.

Academic and experiential gaps in these areas may be addressed through the program's professional electives.

Curriculum

The MS program in environmental, health, and safety management consists of 48 quarter credit hours of graduate study.

Course #	Course Name	Thesis Option	Project Option
	Core Courses	Credit Hours	Credit Hours
0102-740	Organizational Behavior and Leadership	4	4
0630-720	EHS Management*	4	4
0630-725	EHS Accounting and Finance	4	4
0630-740	EHS Management System Design	4	4
0630-760	Integrating EHS into Business Management	4	4
0630-790	EHS Internal Auditing	4	4
0630-755	Research Methods	4	4
0630-890	Thesis Planning	4	NA
0630-891	Graduate Project	NA	4
0630-899	Graduate Thesis	4-8	NA
Total Core Courses and Research		36-40	32
Graduate Professional Electives		8-12	16
Total Program		48	48

* This course has a required on-site executive leader session

The curriculum consists of a sequence of core courses (28 credits), professional electives (8-16 credits), and a graduate thesis or a graduate project (four to eight credits). Students have

the option of completing an applied research graduate project that will be documented in a manuscript suitable for publication in a professional journal or a traditional graduate thesis.

Program Credits	48
Number of Courses	11 plus thesis or project
Transfer Credit	up to 12 credits
Campus Component	1 visit

For academic advising contact:

Joe Rosenbeck
 EHS Management Program Director
 585-475-6469
 E-mail: jmrcem@rit.edu
 Web: www.rit.edu/cast/cetems

EXECUTIVE MBA

RIT's rigorous online Executive MBA program differs from regular MBA programs in fundamental ways. First and foremost, this EMBA is a challenging and demanding degree program designed to accelerate the careers of mature, high-performance professionals with significant business experience, unlike traditional MBA programs which are geared primarily toward a less experienced audience.

This program is ideal for creative, innovative individuals who have gained their experience in the work force and not just the classroom. Participants in this program have established careers and are looking for proven and effective methods and strategies to propel them even further up the career ladder. EMBA students master executive skills such as strategic and cross-functional thinking and leadership. They

learn not only from their knowledgeable and professional instructors but also from their successful, motivated, diverse peer group as well.

The EMBA encourages students to think outside of the box and places a strong emphasis on group networking. Students leave the program with a strong network of influential peers with whom they typically remain close on a personal and professional level.

Admission requirements

In addition to RIT's standard graduate admissions requirements, candidates are expected to have a minimum of six years professional experience and hold advanced technical, managerial, or executive responsibilities.

Curriculum review

The 72-credit program is achieved via online cohort study in 5 quarters (15 months) with admission possible in any quarter. Each quarter is made up of two 6-week sessions. There are 26 courses in the program that students achieve in a fixed plan of study; there are no program electives. The program culminates in a team business project and international trip. This is a great opportunity to meet in person those whom you've been working with for the past year while experiencing a new business culture and broadening your global perspective. Recent classes have gone to Canada, China, and countries in Eastern Europe.

Core courses include:

Team Building and Ethics
Leadership Development Skills (three-course sequence)
Accounting and Organizational Goals
Managerial Accounting
Leadership
Power Influence and Negotiation
Valuation and Capital Budgeting
Financial Planning and Analysis
Microeconomics
Statistical Analysis for Managers
Strategic Thinking I & II
Systems Support for Operations
Marketing Strategy
Business Simulation
Managing Technology, Innovation & Research
Managing New Product Commercialization
Macroeconomics
International Seminar
International Business
Executive Leadership
International Finance
Capstone Consulting Project (two-course sequence)

Program Credits	72
Number of Courses	26
Transfer Credit	none
Campus Component	Team Building Residency and International Trip

For academic advising contact:

RIT Online EMBA Admissions
 Toll-free (U.S./Canada): 1-888-907-2808 ext. 3374
 Phone: (outside U.S./Canada): +1 416-907-2808 ext. 3374
 E-mail: admissions@embaonline.rit.edu
 Web: <http://embaonline.rit.edu/>

FACILITY MANAGEMENT

The physical assets of an organization are typically one of its largest financial holdings and the strategic planning, development, and maintenance of these assets are critical to an organization's financial health and stability.

Facility managers need to be knowledgeable about business management, strategic planning, interior and architectural design, construction management, information technology, real estate, engineering, labor relations, and quality of life aspects of the work environment. It's a broad-based field that requires individuals to have breadth and depth in their education, and eventually, their work experience.

The facility management program will prepare graduates to work in a management capacity where they will oversee the operations and maintenance of facilities. Graduates will be able to intelligently communicate facility issues with corporate officers as well as with customers, contractors, vendors, and employees.

Developed by a panel of experienced facility management professionals, the MS program is designed to provide graduates with a solid grounding in both the technical and managerial aspects of facility management. The curriculum is accredited by the International Facility Management Association (IFMA).

The program is designed to be completed through online learning or on campus in 20 months by full-time students, or in two years of part-time study while working full time.

Students can tailor an individual program of study by complementing core courses with professional electives that match their academic and career interest.

Admission requirements

Applicants are expected to have formal academic training or documented experience in the areas common to facility management (i.e., engineering technology, engineering, construction management, interior design, architecture, technology, and business). Academic and/or experiential gaps in these areas may be addressed through program electives. In addition to the RIT graduate application requirements listed on page 32 of this guide, applicants must submit two writing samples to demonstrate written communication skills.

International applicants seeking admission from non-English-speaking countries are required to submit TOEFL and GRE scores. A minimum TOEFL score of 570 (paper-based), 230 (computer-based), or 88 (Internet-based) is required. A GRE score of 1200 (V&Q), and an analytical writing score of 3.5 or higher are required. Applicants with low GRE scores may be admitted conditionally and will take a prescribed English language test and, if required, English language courses along with a reduced MS program course load.

Applicants without documented relevant experience in the facility management profession will be expected to satisfy a graduate cooperative education requirement of two quarters during their program of study. Potential applicants are strongly encouraged to contact the grad-

uate program coordinator at 585-475-2183 for informal advising and additional information about the program.

Curriculum review

The 52-credit curriculum consists of a sequence of core courses (40 credits), professional electives chosen from the program or other departments (8 credits), and a graduate project (4 credits). Project topics should complement the student's interests and professional position, and are generally considered applied in nature.

Core courses include:

0632-700	Principles and Practice in Facility Management
0632-720	Environmental, Health, and Safety Management for Facility Management
0630-750	Project Management
0632-760	Space Planning in Facility Management
0101-703	Accounting for Decision Makers
0632-800	Operation and Maintenance of Facilities I
0632-810	Operation and Maintenance of Facilities II
0632-830	Real Estate of Facilities
0102-740	Organizational Behavior and Leadership
0632-850	Digital Communication and Analytical Tools in Facility Management

Program Credits	52
Number of Courses	12 plus project
Transfer Credit	up to 12 credits
Campus Component	none

For academic advising contact:

Joe Rosenbeck
 585-475-6469
 E-mail: jmrcem@rit.edu
 Web: www.rit.edu/cast/cetems

HEALTH SYSTEMS ADMINISTRATION

The health systems administration program is designed to provide strategic skills to today's health care management. Now, as never before, we are realizing the rapid transformation of health care. The pace of technology and innovation are changing how, when, where, and who is providing health care. Concurrently, health care customers have high expectations for quality and responsiveness to their needs delivered in a cost-effective manner. To provide these strategic skills to health care management the program builds on a foundation of courses in policy and law formation, health care economics, innovation, and leadership. Additional options are provided in course selections to build an integrated program that meets the individual challenges of the participating students.

One of the advantages of this program is the online learning format. Students can pursue their degree while maintaining full-time employment in locations around the country and world. Another distinct advantage of the program is the diversity of our student population, which allows for creative discussion and comprehension of global health care issues and how these relate to the standards and practice of the American health care system. The ability to share information and ideas, and to contrast and compare strategies, allows our students a level of creativity and scope of practice not found in the traditional classroom.

Admission requirements

In addition to the RIT graduate application requirements listed on page 32 of this guide, prospective students seeking admission to

this program should possess three or more years of experience in a health care or work-related experience. Applicants who do not meet this requirement may be asked to complete certain undergraduate health systems administration courses as a bridge for the content knowledge required for the graduate program and/or complete a graduate level internship in health care prior to graduation. Participation in a telephone interview with the health systems administration program chair is required.

International applicants seeking admission from non-English-speaking countries are required to submit Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based), 250 (computer-based), or 88 (Internet-based).

Curriculum review

The 48-credit program can be completed in approximately two years taking two courses per quarter, or students may take longer to complete the course work and take one course per quarter. Students must maintain a 3.0 (B) average throughout their academic career at RIT. Toward the end of their program of study students will complete a business plan for an innovative topic related to their work environment. The paper is developed and written within a course that is taken during the last year of study for the degree.

Core courses include:

0635-700	Research Methods
0625-844	Breakthrough Thinking, Creativity, and Innovation
0635-840	Health Systems Policy and Law
0635-820	Health Systems Economics and Finance

0624-770	Service Leadership
0635-702	Graduate Writing Strategies

In addition to the core course work, students complete a four-course sequence in one of three professional concentrations including elements of health care leadership, senior living, or health systems finance. See page 17 of this guide for course details within these concentrations.

Students may fulfill the three program electives from other concentrations or from other graduate courses offered in the CAST Department of Service Systems with permission of their adviser and program chairs.

Program Credits	48
Number of Courses	12
Transfer Credit	—
Campus Component	none

For academic advising contact:

Linda Underhill, Ph.D., RD
 Program Director, Health Systems Administration
 585-475-7359
 E-mail: lmuis@rit.edu
 Web: www.rit.edu/programs/health-systems-administration-ms

HUMAN RESOURCE DEVELOPMENT

Human resource development is the integrated use of training and development, organization development, and career development to improve individual, group, and organizational productivity and effectiveness. The program offers three major curriculum

components: career development, organization development, and training and human resource development. Students have the option of concentrating in a specific area or developing a broad program that best meets their needs.

Admission requirements

In addition to RIT's standard graduate admissions requirements, candidates will be required to submit a writing sample designated by the academic department as outlined during the application process.

Curriculum review

The 48-credit program may be achieved part time or full time via campus, online, or a combination of both with admission possible in any quarter. The program combines a sequence of core course work with either a combination of cross-functional electives or a depth concentration.

Core courses include:

0626-707	Applied Data Analysis in Human Resource Development
0626-780	Human Resource Management I
0626-877	Internship
Plus three of the following:	
0626-710	Theories of Organizational Development
0626-720	Theories of Career Development
0626-730	Theories of Human Resource Development
0626-781	Human Resource Management II

Program Credits	48
Number of Courses	12
Transfer Credit	up to 12
Campus Component	none

For academic advising contact:

Linda Underhill, Ph.D.
 585-475-7359
 E-mail: lmuis@rit.edu
 Web: www.rit.edu/cast/hsm/programs/Graduate/hrd_index.html

IMAGING SCIENCE

This stimulating program is designed for the student holding a bachelor's degree in science or engineering. It will provide important preparation for positions in research in the imaging industry or in the application of various imaging modalities to problems in engineering and science.

The program emphasizes a systems approach to the study of imaging science. Formal course work includes consideration of the physics and chemistry of radiation-sensitive materials and processes, the applications of physical and geometrical optics to electro-optical systems, the mathematical evaluation of image forming systems, and the statistics of experimental design and quality control.

Admission requirements

In addition to the graduate admissions requirements listed on page 32 of this guide, prospective students seeking admission must have completed mathematics—through calculus and including differential equations—and a full year of calculus-based physics, including modern physics. It is assumed that students can write a common computer program.

Curriculum review

The online curriculum for the MS in imaging science is identical to that of the on-campus

version. Most imaging science online courses are taught in real time, using various Internet technologies at the same time they are taught face to face in a classroom. However, after-hours viewing of online classes is also available to those whose schedules preclude participation at the time of the actual class, so there is no requirement to attend lectures at specific times. Thus, online students will need access to broadband Internet. The program requires 45 total credits divided among core courses, specialty track courses, electives, and a project/paper. The elective specialty tracks include color imaging, digital image processing, medical imaging, and remote sensing. Alternatively, a customized track can be designed to meet the student's objectives.

Core courses include:

1051-716 Fourier Methods for Imaging

Choose four from the following:

1051-718	Digital Imaging Mathematics
1051-782	Digital Image Processing
1051-713	Probability, Noise and System Modeling
1051-719	Radiometry
1051-720	Human Visual System
1051-733	Optics

Program Credits	45
Number of Courses	11 plus project/paper
Transfer Credit	—
Campus Component	none

For academic advising contact:

Roger Dube, Ph.D.
 585-475-5836
 E-mail: dube@cis.rit.edu
 Web: www.cis.rit.edu

MICROELECTRONICS MANUFACTURING ENGINEERING

The highly regarded MS program in microelectronics manufacturing engineering prepares students for entry into the worldwide semiconductor industry. Graduates of the program will:

- Design and understand a sequence of processing steps to fabricate a solid state device to meet a set of target parameters
- Analyze experimental electrical data from a solid state device to extract performance parameters used in the device design
- Understand current lithographic materials, processes, and systems to meet imaging and device patterning requirements
- Understand the relevance of a process or device to current manufacturing practices
- Perform in a microelectronic manufacturing environment in an area of specialization, such as device engineering, circuit design, lithography, materials and processes, yield enhancement, and manufacturing.

Admission requirements

Applicants must hold a baccalaureate degree in electrical, chemical, or microelectronic engineering (or the equivalent) from an accredited institution in good academic standing and have at least one year of study and/or prior experience in semiconductor device physics, VLSI design, and semiconductor fabrication technology. Graduate Record Exam (GRE) is not required but may support the candidacy.

Curriculum review

The 45-credit program consists of seven core courses, one transition course (for those who need it), two or three elective courses (depending on whether the student needed a transition course), and a minimum of five credits of internship (professional work experience in the semiconductor industry). The internship provides students with a structured, supervised work environment in which they gain job-related skills that help them achieve their career goals. An adviser will assist the student in choosing electives that are well matched to the student's interests.

Core courses include:

0305-701	Microelectronics I
0305-702	Microelectronics II
0305-703	Microelectronics III
0305-731	Microelectronics Manufacturing I
0305-732	Microelectronics Manufacturing II
0305-721	Microlithography Materials and Processes
0305-722	Microlithography Systems

Program Credits	45
Number of Courses	10 plus internship
Transfer Credit	up to 9
Campus Component	none

For academic advising contact:

Robert Pearson, Ph.D.
 585-475-2923
 E-mail: repemc@rit.edu
 Web: www.rit.edu/kgcoe/eme/meo

NETWORKING AND SYSTEMS ADMINISTRATION

The MS in networking and systems administration is an advanced degree program for those interested in studying the design and management of information systems at the enterprise level. The issue is scale and the problems that large systems present. Study is less concerned with the details of setting up a local area network (LAN) and troubleshooting and is more focused on modeling a large complex system and predicting future performance trends.

Admission requirements

In addition to the standard graduate admission requirements listed on page 32 of this guide, applicants must have prior academic training in networking, systems administration, and programming in C++. Applicants whose native language is not English must submit GRE and TOEFL scores. Minimum TOEFL scores of 570 (paper-based exam), 230 (computer-based exam) or 88 (Internet-based exam) are required. RIT's reporting number for the GRE and TOEFL is 2760.

Curriculum review

The 48-credit program consists of a 28-credit core, and 16 credits of electives, chosen from an approved set of courses. Finally, there is a 4-credit capstone experience.

Core courses include:

0102-740	Organizational Behavior and Leadership
0106-744	Project Management
4055-726	Research Methods
4055-755	Secure Wireless and Wired Networks

4055-817	Emerging Network Technologies
4055-850	Network Design and Performance
4055-882	Enterprise Security
Choose four electives from the following:	
0101-703	Accounting for Decision Makers
4055-760	Viruses and Malicious Software
4055-780	Computer System Security
4055-818	Network Management
4055-841	Advanced Computer Forensics
4055-862	Advanced Routing Protocols
4055-883	Enterprise Networking
4055-884	Enterprise Service Provisioning
4055-886	Security Audits of Web Servers and Applications

Program Credits	48
Number of Courses	11 plus capstone
Transfer Credit	—
Campus Component	none

For academic advising contact:
 Graduate Program Director
 School of Informatics
 585-475-2700
 E-mail: informaticsGrad@rit.edu
 Web: www.nssa.rit.edu

PROFESSIONAL STUDIES

The professional studies program is specifically designed to assist professionals and students to create a customized plan of study tailored to their educational or career objectives.

The degree allows the opportunity to draw on online courses offered in several RIT graduate programs in order to gain the advanced knowledge and skills necessary to respond successfully to new and emerging career opportunities. Online learning concentration examples include:

- Applied Statistics
- Environmental, Health, and Safety Management
- Facilities Management
- General Management
- Health Systems Administration
- Human Resources
- Microelectronics Manufacturing Engineering
- Project Management
- Security Technology Management
- Service Management
- Strategic Training
- Technical Information Design
- Telecommunications Engineering Technology

The degree is completed with a practical, hands-on project directly related to the student's individualized plan of study.

Curriculum overview

The 48 quarter credit program consists of two or three concentrations, as specified in an individualized plan of study. Each concentration consists of three to four courses drawn from the programs listed above. Besides course

work in two to three concentrations, there are two required courses: Context and Trends (0699-705) and the Capstone Project (0699-775). Credit hours not required in the student's concentration may be used for electives.

Admission requirements

In addition to the standard RIT graduate admission criteria found on page 32 of this guide, candidates must submit a statement of career objectives outlining skills and knowledge candidate hopes to obtain through program.

International students must submit a Test of English as a Foreign Language (TOEFL) score of at least 550 (paper-based), 213 (computer-based), 79 (Internet-based), and 6.0 to 6.5 (ITEL). All international students will take the Michigan Test at entry unless approved otherwise.

Program Credits	48
Number of Courses	usually 11 plus capstone
Transfer Credit	up to 12
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

SERVICE LEADERSHIP AND INNOVATION

The degree emphasizes service sector strategies, service innovation, human capital development, leadership, customer relationship management, and the development of service metrics for the 21st century. It is designed to enhance the continued lifelong learning and career development of executives and midlevel service organization professionals without disruption of employment. Graduate credit is granted for life and management experiences.

Candidates interested in the online learning track of the MS service leadership and innovation program can achieve the course work necessary in four quarters if so desired.

Curriculum review

The service leadership and innovation program includes a minimum of 48 quarter credit hours of graduate credit.

Students who already are qualified for one or more required courses may substitute other course work with the permission of the program chair. Students whose prior undergraduate work has not been in the service industries field may be required to complete additional courses and/or a cooperative educational experience. Applicants without requisite background may be considered for the traditional campus program. A thesis or capstone project is required for all students.

Admission requirements

To qualify for admission candidates should possess up to four years of experience in the

service sector beyond the baccalaureate degree. Certification through various professional associations is accepted as documentation of professional commitment. Endorsements from senior management and administrators are preferred.

In addition to the standard admission requirements listed on page 29 of this guide, candidates may participate in an interview with the program chair.

International students must submit a Test of English as a Foreign Language (TOEFL) score of at least 550 (paper-based), 213 (computer-based), 79 (Internet-based), and 6.0 to 6.5 (ITEL). All international students will take the Michigan Test at entry unless approved otherwise.

Required courses include:

0625 750	Elements of Service Management—Fall
0624 825	Strategy Process of Service Firms—Fall
0625 842	Customer Relationship Management—Winter
0681 710	Project Management—Winter
0624 770	Service Leadership: Examining & Implementing Change—Spring
0625 849	Service Performance Metrics—Spring
0625 844	Breakthrough Thinking—Summer
0626 735	Human Capital Strategies—Summer

Program Credits	48
Number of Courses	9
Transfer Credit	—
Campus Component	none

For academic advising contact:

Dr. James Jacobs
Distinguished Lecturer
585-475-6017
E-mail: jwjism@rit.edu
Web: www.rit.edu/hsm

TELECOMMUNICATIONS ENGINEERING TECHNOLOGY

This graduate program is designed for individuals with both technical and non-technical baccalaureate degrees who are seeking a graduate education to help them advance into managerial and leadership roles in the dynamic telecommunications environment. Applicants should have a BS degree in a technical discipline or a baccalaureate degree plus experience in telecommunications. This degree program is available in a traditional on-campus format or through online learning.

Curriculum review

The 48-credit-hour program includes six core courses (24 credit hours) that introduce essential fundamental concepts and skills. Four other courses (16 credit hours) must be chosen from the technical or the approved non-technical (e.g., management) electives. Each student is required to complete a capstone project (four to eight credit hours), which is either a graduate project or a graduate thesis. Students who choose to complete a graduate project must complete an additional technical elective or management course.

Core courses include:

0614-720	Telecommunications Concepts
0614-722	Principles of Telecommunications Networks
0614-732	Fiber Optic Telecommunications Technology
0614-763	Wireless RF Telecommunications Systems
0614-780	Telecommunications Policy and Regulation
0614-774	WAN/LAN Planning and Design

Students also choose four from the following:

Telecommunications electives include:

0614-761	Telecommunications Network Engineering
0614-832	Fiber Optic Telecommunications Systems
0614-764	Telecommunications Systems
0614-783	Telecommunications Transmission Systems

Networking Security and Systems

Administration electives include:

4055-761	Principles of Systems Administration
4055-862	Advanced Routing Protocols
4055-755	Secure Wireless Networks

Non-technical electives include:

0102-740	Organizational Behavior and Leadership
0103-705	Economics for Managers
0105-761	Marketing Concepts
0104-721	Financial Analysis for Managers

Each student is required to take the thesis/project planning seminar and either a graduate project or a graduate thesis as the capstone project. Students who elect the graduate project must take an additional course from the technical electives or the management courses.

Program Credits	48
Number of Courses	10 plus thesis or 11 plus project
Transfer Credit	—
Campus Component	none

For academic advising contact:

Sydney Seaver
 585-475-2172
 E-mail: sascms@rit.edu
 Web: www.rit.edu/ect



Instructor Spotlight



Dr. Steven LaLonde
Graduate Program Director
MS Applied Statistics

Ph.D., MA, Syracuse University,
Statistics, Measurement and
Evaluation

MBA, University of Rochester

BA, State University College at
Potsdam, Mathematics and
Psychology

Dr. Steven LaLonde joined RIT's Center for Quality and Applied Statistics as a full-time faculty member in 2000, after teaching as an adjunct professor while working in industry for over a decade. He is an expert in multivariate modeling, survey questionnaire design, psychometrics, survey sampling, and market research. He teaches graduate and undergraduate courses in statistics, public seminars, and short courses, and does consulting and research for external and internal clients.

LaLonde has designed, conducted, and analyzed marketing research conducted worldwide, and has written several research protocols. He has developed several distance courses using combinations of live video, on-screen demonstrations, guided projects, and homework assignments. He especially enjoys online students since they usually bring a great deal of experience to be shared with the class, and are eager to apply the methods taught in class.

The MS applied statistics program offers a broad spectrum of applications including industrial, research, educational, business, and government activities. In addition, students can also pursue two related graduate certificates as advanced credentials. Students can usually complete the online master's degree in two to four years of part-time online study.

Graduate Certificates

Our graduate certificates emphasize a solid foundation in a single academic discipline. Programs generally range from four to six courses and may be completed as a stand-alone credential or applied to a related master's degree. Interested candidates are subject to the same admission criteria and procedures as master's degree applicants.



HEALTH SYSTEMS ADMINISTRATION

The health systems administration program offers several advanced certificates for students looking for focused study in a particular area of health care, or for practitioners seeking continuing education credit for their

professional development. The certificate programs are open to students qualified for and meeting the requirements of graduate study; however, prerequisite health care experience is not required. The certificates can be completed as stand-alone credentials or may be applied toward the MS (or to other RIT graduate programs) with the appropriate approvals.

Curriculum review

The 16-credit program consists of three possible four-course sequences, including:

Elements of Health Care Leadership

0635-882	Bioethics
0635-830	Health Systems Planning
0625-842	Customer Relationship Management
0625-750	Elements of Service

Health Systems Finance

0635-723	Lean Sigma in Health
0635-796	Risk Management in Health Systems
0625-815	Finance for Operation
0625-881	Health Insurance and Reimbursement

Senior Living Management

0635-716	Law and Policy in Senior Living
0635-798	Aging in America
0625-842	Customer Relationship Management
0626-735	Human Capital Strategies

Per certificate:

Program Credits	16
Number of Courses	4
Transfer Credit	—
Campus Component	none

For academic advising contact:

Linda Underhill, Ph.D., RD
Health Systems Administration
Program Director
585-475-7359
E-mail: lmuis@rit.edu
Web: www.rit.edu/programs/health-systems-administration-ms

NETWORKING PLANNING AND DESIGN

Program Overview

The advanced certificate program in network planning and design consists of a four-course sequence for those with prerequisite knowledge. The program is available to students with a bachelor's degree and the prerequisite knowledge gained through work experience or through bridge courses. The program's objective is to provide students with the knowledge and expertise needed to seek or further careers in the planning and design of computer networks. The program will be available in both online

and conventional on-campus formats. The online availability of this program will provide those outside the commuting distance to RIT with a career-enhancing educational opportunity.

Curriculum review

The four courses in the advanced certificate were selected to provide the knowledge to ensure graduates will be able to collaborate with individuals at all levels of an organization in the design, modeling, testing, and implementation of a network environment that will meet an organization's needs and goals. These courses also ensure graduates will be able to lead in the development of policies and procedures to provide the level of security required by the company. The courses in this program will transfer into the MS degree in networking and systems administration for those who desire to seek a graduate degree.

0106-744	Project Management
4055-817	Emerging Network Technologies
4055-850	Network Design and Performance
4055-883	Enterprise Networking

Program Credits	16
Number of Courses	4
Transfer Credit	—
Campus Component	none

For academic advising contact:

Graduate Program Director
 School of Informatics
 585-475-2700
 E-mail: InformaticsGrad@rit.edu
 Web: www.nssa.rit.edu

PROJECT MANAGEMENT

In today's business-oriented society, project-based organizations have become the norm and project management has become much more than just a way of conducting business. New growth within these project-based organizations has changed the shape of project management to reveal what is becoming an exciting new career path for many individuals.

Project managers have quickly become a necessary asset for many businesses. The goal of a project manager is to successfully plan, organize, and accomplish a specific project or one-time effort. Encountering the challenges of cultural and social differences, along with dealing with an assortment of industrial focuses, a project manager must be aware of the project goals on a daily, and sometimes hourly, basis. The foundation for the completion of any great project is a well-thought-out project plan. RIT's graduate certificate in project management will teach students how to plan, develop, and implement successful projects from initiation to completion.

Curriculum review

The 20-credit program consists of three required courses and two electives.

Core courses include:

3081-710	Introduction to Project Management
3081-711	Advanced Project Management
3081-712	International Project Management
Two Approved Electives (see adviser for more information)	

Program Credits	20
Number of Courses	5
Transfer Credit	—
Campus Component	none

For academic advising contact:

Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

SERVICE LEADERSHIP AND INNOVATION

This certificate has been developed to offer service professionals and organizations cutting-edge skills, abilities, and applied service knowledge. It is designed for those seeking to achieve service leadership and change, build service performance packages and delivery systems, use multiple service metrics from feedback systems, employ creativity to achieve innovation, and construct and implement strategic direction. The certificate will heighten the student's capacity to function in today's highly competitive and quickly evolving service environment.

Curriculum review

The 20-credit program may be achieved part time via campus or online study with admission possible in any quarter. The program may be completed as a stand-alone credential or as a steppingstone to RIT’s service leadership and innovation master’s degree.

Core courses include:

0625-750	Elements of Service Management
0625-825	Strategic Processes of Service Firms
0625-842	Customer Relationship Management
0625-844	Breakthrough Thinking
0625-849	Service Performance Metrics

Program Credits	20
Number of Courses	5
Transfer Credit	—
Campus Component	none

For academic advising contact:

Linda Underhill, Ph.D.
 585-475-7359
 E-mail: lmuis@rit.edu
 Web: www.rit.edu/cast/hsm/programs/Graduate/hrd_index.html

STATISTICAL METHODS FOR PRODUCT AND PROCESS IMPROVEMENT

This advanced certificate is designed for engineers, scientists, and similar professionals who want a sound education in statistical methods, but wish to finish a program in a shorter time period than that for the MS degree in applied statistics.

Graduates of this program will be able to characterize variation in their processes through ANOVA, model processes through regression, and optimize processes through experimental design. Based on electives, graduates may also be able to construct robust processes and products, perform advanced experimental design techniques, create time series models, study multivariate relationships, or investigate reliability of products.

Courses may be completed as a stand-alone credential or applied toward the MS degree in applied statistics.

Curriculum review

The 18-credit certificate consists of three required courses and three elective courses.

Core courses include:

0307-801	Design of Experiments I
0307-802	Design of Experiments II
0307-841	Regression Analysis I

Students select three elective courses from the list below:

0307-803	Design of Experiments III
0307-831	Multivariate-Analysis Applications
0307-842	Regression Analysis II
0307-856	Interpretation of Data
0307-862	Reliability Statistics I*
0307-873	Time Series Analysis
0307-883	Quality Engineering by Design

*Calculus with integration is a prerequisite for this course.

Students who wish to earn a six-sigma black belt after obtaining their advanced certificate should ensure an appropriate course selection by looking at the black-belt requirements on the center’s website.

Program Credits	18
Number of Courses	6
Transfer Credit	—
Campus Component	none

For academic advising contact:

Steven M. LaLonde, Ph.D., Program Director
 Center for Quality and Applied Statistics
 585-475-5854
 E-mail: steven.lalonde@rit.edu
 Web: www.rit.edu/eng/cqas

STATISTICAL QUALITY

This advanced certificate program is designed for quality engineers, quality managers, and those who aspire to such positions. It consists of courses from RIT's master of science in applied statistics curriculum that deal with the technical aspects of quality engineering. Graduates of this program will have learned most of the material in the American Society of Quality's body of knowledge for both the COE (certified quality engineer) and the CQM (certified quality manager) exams, as well as an extensive amount of additional knowledge. Courses may be completed as a stand-alone credential or applied toward the MS in applied statistics.

Curriculum review

The 18-credit certificate consists of six courses chosen from the list below:

0307-721	Statistical Process Control
0307-731	Statistical Acceptance Control
0307-772	Applied Survey Design and Analysis
0307-781	Quality Management
0307-782	Quality Engineering
0307-801	Design of Experiments I
0307-802	Design of Experiments II

Program Credits	18
Number of Courses	6
Transfer Credit	—
Campus Component	none

Students who wish to earn a six-sigma black belt after obtaining their advanced certificate should ensure an appropriate course selection by looking at the black-belt requirements on the center's website.

For academic advising contact:

Steven M. LaLonde, Ph.D., Chair
 Center for Quality and Applied Statistics
 585-475-5854
 E-mail: steven.lalonde@rit.edu
 Web: www.rit.edu/eng/cqas

STRATEGIC TRAINING

Senior leaders in the most successful businesses agree that leveraging the human resources of an organization is vital to survival in today's competitive business climate. This requires businesses to align strategy with employee development plans and provide targeted learning experiences to ensure they

- equip their work force to perform at the peak of their capability,
- attract the best and the brightest candidates, and
- retain the most qualified employees.

The strategic training certificate provides professionals in fields such as human resource development and business management with the competencies required to develop highly effective learning materials that drive strategic employee development and boost performance and manage the employee development efforts of an organization.

Curriculum review

The course offerings in this certificate allow individuals to focus on gaining competence in the design of strategic learning materials or in the management of employee development efforts.

All students complete the following foundation courses and two approved electives pursuing either a design or a management track.

Core courses include:

0626-730	Strategic Employee Development
3088-750	Performance Based Training Design

Electives (choose two of five):

3088-716	Design Non-traditional Learning Programs
3088-717	Design of Interactive Training
3088-718	Design On-the-Job Training
3088-721	Creating Technical Proposals
3088-732	Managing Scientific and Technical Communications

Program Credits	16
Number of Courses	4
Transfer Credit	—
Campus Component	none

For academic advising contact:

Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu

TECHNICAL INFORMATION DESIGN

Technical information design is a growing multidisciplinary communication field that requires understanding and skills in the development and use of text, graphic design, multimedia, and other techniques to enhance contemporary technical communication. Success in this field demands that the practitioner have superior writing skills, adeptness at selecting and using available and emerging media, and the ability to recognize excellence in the visual aspects of communication design.

This program focuses on the information designer's use of technology to create documentation and to deliver information to the intended audience.

This advanced certificate program provides students with an opportunity to study and learn key aspects of contemporary information design theories, practices, and strategies. The program provides high-level study for those interested in the fields of technical communications, information design, marketing communication, and engineering and scientific communication.

Curriculum review

The 24-credit certificate consists of three required courses and three electives.

Core courses include:

3088-711	Technical Information Design
3088-731	Technical Procedures
3088-741	Usability Design and Testing

Students select three elective courses from the list below:

3088-721	Creating Technical Proposals
3088-732	Managing Technical and Scientific Communication
2081-723	Contemporary Publishing
3088-714	Science Writing
4004-730	Interactive Media Implementation
4004-741	Fundamentals of Web-Based Multimedia
4004-745	Theories in Interactive Computing

Other electives may be available with adviser approval.

Program Credits	24
Number of Courses	6
Transfer Credit	—
Campus Component	none

For academic advising contact:

Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms



Alumni in Motion



Anne McDermott
BS Applied Arts and
Sciences '04

"I really loved the online learning experience at RIT. Like any college experience, what a student gets out of it largely depends on the effort that is given by the student."

RIT online graduate goes on to Yale, wins national research award

Research is a very important part of a Rochester Institute of Technology education. Learning basic research skills and methods is part of the curriculum.

Anne McDermott '04 (applied arts and science) put her skills to use at Yale University School of Nursing where she received her master of science in nursing and also won the 2008 Milton and Anne Sidney Prize for her significant research contributions on pregnancy, childbirth, and risk.

McDermott, a Pittsburgh native, is a graduate of RIT's online learning program. After discontinuing her studies in biology at Western Connecticut State University because of marriage and children, she chose to transfer to RIT's program for a number of reasons. Her ultimate goal was to attend Yale as a graduate student in nurse-midwifery and she knew that they were open to distance learning as a type of undergraduate study. She also liked the flexibility of the program at RIT and the ability to complete her degree more quickly than with other programs.

"I really loved the online learning experience at RIT," McDermott says. "Like any college experience, what a student gets out of it largely depends on the effort that is given by the student."

"I embraced all of the resources that RIT makes available to its online students, which I felt were considerable."

McDermott adds that she was impressed by the library resources and also the faculty's willingness to help outside the online environment. "The librarians did an outstanding job of assisting online students in finding research materials," she says. "The faculty were also very open to finding ways beyond the virtual classroom to help students."

"For instance, when taking a statistics course online, the instructor was readily available to help students via phone conference to assist with any problems."

She also found that the online experience forced her to refine thoughts before posting them in online discussions.

"The electronic documentation of a student's comments means that they need to be able to state their positions on a subject clearly and support their assertions," she explains. "I feel that the online classroom facilitates a larger degree of discipline and requires students to be well prepared for assigned work."

McDermott's discipline and preparation have taken her where she wanted to go. Her research study at Yale has added to the growing body of knowledge about different methods of care for pregnant women and how it can affect the outcomes of birth. She focused on the increasing number of births that are considered "not normal"

by the World Health Organization—meaning the birth is affected by induced labor, cesarean delivery, or other medical technologies.

"My research, which was retrospective, investigated factors associated with non-normal outcomes for women who entered labor meeting the World Health Organization criteria for normal," McDermott elaborates. "Some subjects of the study were cared for by certified nurse-midwives, and some were cared for by physicians."

"Their outcomes were similar, but I was able to identify certain practices utilized by either practitioner that were associated with higher rates of non-normal outcomes."

McDermott graduated from Yale with a concentration in nurse-midwifery and feels very strongly about her specialty. She recently accepted a job at Norwalk Hospital in Norwalk, Conn., working in their Midwifery Service. The service was established in 1977 and was one of the first of its type in the area. It is part of the hospital, but the midwives also have a private practice. With her arrival the practice will have six midwives in total.

"I believe in the public health benefits of midwifery for women and their babies in this country," she says. "And I am determined to take part in providing this type of care."

Undergraduate Degrees

Whether you're interested in one course, a certificate, or a full degree, RIT online has something for you. Degree programs can accommodate generous transfer credit from a related field. Part-time study options, hands-on academic advising, and a commitment to student support together prepare students for a successful educational experience. See page 32 of this guide for undergraduate admission requirements.



APPLIED ARTS AND SCIENCE

The applied arts and science program is a unique opportunity that allows students to customize their own degree. This major is ideal for individuals who have previous college-level learning, for current students who are interested in changing majors and becoming "multidisciplinary," or for those who want to advance their career skills and expertise in several areas of knowledge. Credit may be given for course work taken at regionally accredited institutions of higher education, credit by exam, or credit for

experience. Your adviser will evaluate your transfer credit and help you explore other possibilities for earning credit as part of the admission process. To receive your AAS and/or BS degree, you are required to complete at least 45 quarter hours of credit from RIT.

Before you begin your studies, you'll work closely with an academic adviser to discuss the right combination of courses that are right for your career goals and professional development needs.

As your career plans evolve and the demands of your technical or professional field change, you and your adviser may update your plan of study. The program's advisers are professionals in planning educational programs that work for adults.

Curriculum review

AAS: The 90-credit program consists of 52 core credits in general education, plus 38 credits in one to two professional concentration areas.

BS: The 180-credit program consists of 94 core credits in general education, plus 86 credits in two to four professional concentration areas.

An AAS degree is not required to enter the program. Online concentrations include:

- Computer Graphics
- Health Systems Administration
- Human Resources Management
- International Logistics and Transportation
- Management
- Organizational Change
- Project Management
- Public Relations
- Quality Management
- Small Business Management
- Technical Communication

Course Title	Credits
Associate in Applied Science Credits	90
Liberal Arts Concentration	12
General Education	30
Professional Core (2-3 professional concentrations)*	36
Free Electives	12
Multidisciplinary Life**	
Total	180

* To be developed by the student with an adviser. A professional concentration equals 20 (or more) credits in one subject area.

** This is a required course that can be used as a general education elective or as part of a professional concentration area. Students must also satisfy a writing competency requirement. See an adviser for more information.

Online learning general education course examples include:

Course # Course Title

Lower-Division Courses

0502-227	Writing
0507-301	Modern American History
0507-302	Modern European History
0509-210	Introduction to Philosophy
0511-211	Principles of Microeconomics
0513-211	American Politics
0514-210	Introduction to Psychology
0515-210	Foundations of Sociology
0634-311	Earth Science
0634-321	Man-Made Hazards
3088-325	Communicating in Business
3092-201	Math Thought and Process
3092-202	Modern Math Methods
3092-211	College Math for Business I
3092-212	College Math for Business II
3092-221	Technical Mathematics I
3092-222	Technical Mathematics II
3092-231	Contemporary Science: Biology
3092-232	Contemporary Science: Chemistry
3092-233	Contemporary Science: Physics
3092-234	Contemporary Science: Oceanus
3092-250	Introduction to Computers and Programming
3092-311	Statistics I
3092-312	Statistics II
1016-319	Data Analysis
1026-305	Sports Physiology and Fitness

Upper-Division Course Examples

0502-444	Technical Writing
0509-445	Social and Political Philosophy
0509-443	Philosophy of Science
0509-451	Professional Ethics
0511-401	Principles of Macroeconomics

0535-481	Persuasion
0535-482	Mass Communication
0514-442	Adulthood and Aging
0514-447	Abnormal Psychology
0535-480	Human Communication

New courses may be available as they are developed.

Program Credits	180
Number of Courses	45 (can vary)
Transfer Credit	up to 135
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

APPLIED ARTS AND SCIENCE DIPLOMA

The diploma in applied arts and science is fully customizable and can be achieved on a part-time or full-time basis. Students work with their academic adviser to create one area of professional concentration. The applied arts and science diploma is a great way to earn a credential if you are making a career change and need to update/learn new skills; taking courses as a bridge program into a graduate program; earning an AAS or BS degree and would like to earn a credential on the way; or if you just want to continuing learning.

Curriculum review

Because the program is custom-tailored to the individual's learning outcomes, there is no pre-defined curriculum template. Students work closely with an adviser to select and pursue every course in complement to the end goal.

Program Credits	36
Number of Courses	9 (can vary)
Transfer Credit	—
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

Undergraduate Certificates

“As a full-time member of the workforce, and a full-time parent, online learning has afforded me the time and opportunity to pursue my goal of continuing my education. It has also allowed me to interact with others around the world that I otherwise would never have been able to do.”

Andrew M., Quality Management Certificate, seeking, Lynchburg, VA

FUNDAMENTALS OF MANUFACTURING MANAGEMENT

The program provides a study of techniques required to make economic decisions. This program in production and operations management focuses on operations terminology, operations strategy, design for manufacturing, project planning/control, value analysis, and statistical quality control. This program is designed to provide the student with knowledge of the latest theories and practices of operations management employed by world-class manufacturing organizations. Topics include TQM, MRP, JIT, lean manufacturing, six sigma, theory of constraints, work simplification, and operations research.

Curriculum review

The 12-credit certificate consists of three courses, including:

0617-436	Engineering Economics
0617-440	Production and Operations Management I
0617-441	Production and Operations Management II

Program Credits	12
Number of Courses	3
Transfer Credit	—
Campus Component	none

For academic advising contact:

Center for Multidisciplinary Studies
585-475-2234
E-mail: cms@rit.edu
Web: www.rit.edu/cms

HEALTH SYSTEMS MANAGEMENT

This series of courses provides students with a basic level of knowledge of how health care functions in America. This includes the intricacies and interactions of payers, providers, and consumers of health care services. The courses are constructed to provide an overview of the health care industry and the specialized focus of quality, legal aspects, and the role of planning in health care. The course work is appropriate for students at a junior/senior level in undergraduate studies. Students may earn the certificate alone, or apply the courses to the professional concentration requirements for a degree in applied arts and science.

These courses also are appropriate for students seeking to enter the graduate degree program in health systems administration who have no prior health care background.

Curriculum review

The 24-credit program consists of six courses, including:

0635-310	Survey of Health Care Systems
0635-320	Health Systems Administration
0635-351	Health Care Economics and Finance
0635-431	Health Care Quality Assurance
0635-421	Legal Aspects of Health Care Administration
0635-441	Health Planning and Program Development

Program Credits	24
Number of Courses	6
Transfer Credit	—
Campus Component	none

For academic advising contact:

Linda Underhill, Ph.D., RD
Health Systems Administration
Program Director
585-475-7359
E-mail: lmuis@rit.edu
Web: www.rit.edu/cast/hsm/hsa



INTERNATIONAL LOGISTICS AND TRANSPORTATION MANAGEMENT

Professionals in the logistics field need the tools and knowledge to successfully build international supply chains, finesse sourcing and material purchases in a global market, balance worldwide production schedules, deliver on just-in-time, fulfill customer demands, and optimize real-time control of their inventory and assets.

3081-451	Introduction to Logistics and Transportation
3081-525	Strategic Logistics Management
3081-526	Logistic Law and Economics

Program Credits	12
Number of Courses	3
Transfer Credit	—
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

PUBLIC RELATIONS COMMUNICATIONS: PROFESSIONAL WRITING

This certificate provides a series of courses that develop the student's ability to understand an organization's communication needs; strategically plan responses to those needs; and write and create the proper print, online, and live communication products to successfully implement the plan. Students in this program should have strong writing skills and have completed a basic college composition course.

Curriculum review

The 20-credit certificate consists of nine required courses, including:

3088-350	Introduction to Public Relations
3088-356	Strategic Public Relations
3088-354	Speechwriting
3088-348	Managing the Project
3088-357	Media Relations
3088-352	Writing for the Organization
3081-264	Advertising Evaluation and Technology
3088-347	Promotional Writing
3088-353	Scripting and Audio Visual Publications

Program Credits	20
Number of Courses	9
Transfer Credit	—
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

QUALITY MANAGEMENT

Poor manufacturing quality can significantly reduce portions of revenue in rework, scrap, and dissatisfied customers. By the same token, excellent quality management can pay dividends in terms of production cost savings and improved brand reputation. Organizations know that prevention of defects saves more time and money than discovery of flaws after the fact. Our management-oriented certificate focuses on quality as a priority. The courses offered can help you develop a total quality management environment to combine the theory and practice of statistical quality control with leadership, teamwork, and problem-solving concepts and skills. All were developed in cooperation with industry. This certificate teaches the fundamentals and prepares you to introduce quality concepts to your organization. You will also know how to put quality principles to work in your organization. The certificate can prepare you to work as a quality trainer, facilitator, team leader, or manager at various levels of an organization.

Curriculum review

The 16-credit certificate in quality management consists of three required courses, plus one elective, including:

3084-310	Introduction to Quality
3084-340	Quality Data Analysis
3084-410	Lean Six Sigma
and one elective:	
3084-420	Statistical Quality Tools
3084-430	Management for Quality

Program Credits	16
Number of Courses	4
Transfer Credit	—
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

SMALL BUSINESS MANAGEMENT

The certificate program in small business management is designed for enterprising individuals who want to launch a new venture or improve an existing small business. It is especially appropriate for entrepreneurs, members of family-owned businesses, and key employees in companies with sales under \$2 million.

The three courses in the program are tightly integrated, to provide a solid foundation in managing, marketing, and financing small businesses. The faculty include academically qualified entrepreneurs who have managed their own small companies. Courses may count as business electives in degree programs, may serve as foundation courses for the management diploma, and may be taken out of sequence.

Required courses:

3081-221 New Venture Development
3081-222 Small Business Management
3081-223 Small Business Marketing & Planning

Program Credits	12
Number of Courses	3
Transfer Credit	—
Campus Component	none

For academic advising contact:
 Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms



TECHNICAL COMMUNICATION

With innovations continuing to flourish and technical advances impacting every area of business and everyday life, these are truly challenging and inspiring times for anyone in the field of technical communication. Industrial, business, scientific, medical, and nonprofit sectors know it is essential to be able to effectively convey a wide variety of information in different forms to diverse audiences. Typically these communications take the form of manuals, brochures, data sheets, promotional materials, systems documentation, reports, trade and professional journals, websites, and videos. Technical communication offers many lucrative job opportunities that can be practiced within an organization or outside, through independent contracting.

Admission requirements:

The prerequisite for the basic sequence is demonstration (by examination, portfolio, or transcript) of a command of standard written English.

The following sequence of courses is designed to be completed in three consecutive quarters of part-time study.

Curriculum review

The 12-credit certificate in basic technical communication consists of two required courses plus one elective course.

Core courses include:

3088-333	Technical Writing and Editing
3088-363	Technical Document Design
Students also complete one elective course from among the following:	
3088-361	Research Techniques
3088-398	Special Topics
3088-476	Instructional Design Principles

The 12-credit certificate in advanced technical communication consists of two required courses plus one elective course.

Core courses include:

3088-544	Writing for the Sciences
3088-477	Managing Media Presentations
Students also complete one elective course from among the following:	
3088-361	Research Techniques*
3088-476	Instructional Design Principles*
3088-398	Special Topics
3088-510	Technical Information Design
3088-514	Technical Proposals

*Whichever was not taken as part of the basic certificate program

Per certificate:

Program Credits	12
Number of Courses	3
Transfer Credit	—
Campus Component	none

For academic advising contact:

Center for Multidisciplinary Studies
 585-475-2234
 E-mail: cms@rit.edu
 Web: www.rit.edu/cms

Admissions

"I would consider RIT for another degree or graduate program. I've taken online courses at ten different universities, and RIT by far has been the best in both instruction and format."

Mark C., GE, non-degree student '09, Uxbridge, MA

Take a class. Earn a certificate. Finish a degree.

With 30 years of experience serving distance education students, RIT has developed a full slate of services for helping students get the most benefit from the online learning environment.



Graduate

The application process and requirements for an online program are the same as for an on-campus program. Candidates seeking entry to an RIT graduate degree or certificate program should refer to www.rit.edu/grad for application criteria and access. All applicants should possess a baccalaureate degree or its U.S. equivalent from a regionally accredited institution with a minimum 3.0 GPA. All applicants are required to meet the minimum program entry requirements and submit:

- Graduate application
- Official undergraduate and, if applicable, graduate transcripts
- Two letters of recommendation
- Objective statement
- Résumé

In addition, some graduate programs may require submission of one or more writing samples, a GRE test score, or other documentation as noted in the respective program overview. See program listing for details.

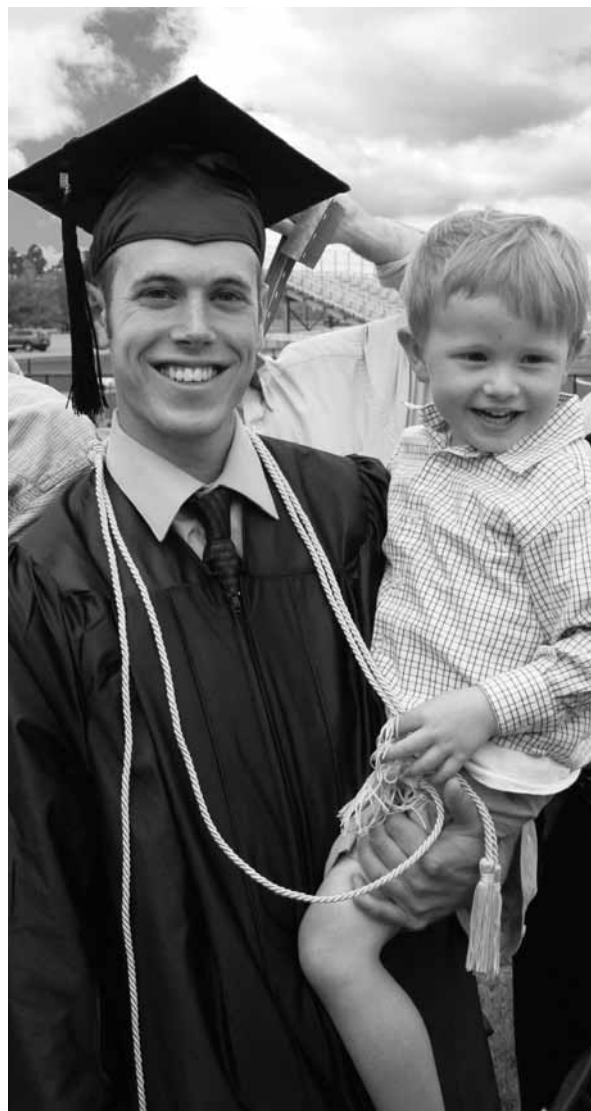
International applicants also are required to



submit a TOEFL test score. RIT's school code for reporting of GRE and TOEFL tests is 2760.

Undergraduate

Candidates seeking entry to an RIT undergraduate degree or certificate program of 24 credits or above should refer to www.rit.edu/ parttime for application criteria and access.



All applicants are required to meet the minimum program entry requirements and submit:

- Undergraduate part-time application
- Official undergraduate and, if applicable, military transcripts if you have earned more than 30 semester or 45 quarter credits
- High school transcript, copy of GED, or other high school equivalency document if you have no prior background in higher education

Candidates seeking entry to an RIT undergraduate certificate program of less than 24 credits should refer to www.rit.edu/parttime for access to the undergraduate part-time certificate application. Submission of transcripts is not required for under 24-credit programs unless otherwise noted. Applicants should contact the academic department directly to register for courses. See www.rit.edu/online for a listing of department contacts.

Non-matriculated

Candidates interested in taking an online course are invited to do so as a non-degree student. Such individuals must meet the minimum and prerequisite course requirements listed on RIT's academic planning website at <http://registration.rit.edu>.

First-time students at RIT may complete the online course registration form at www.rit.edu/online. For students already in attendance at RIT, please use the online student information system to register for courses. Taking an online course before applying to a

full program of study is often an effective way to experience online learning and discover if it is compatible with your learning style. If you select a course that is part of a formal program of study, you may be eligible to apply the course work toward the degree upon matriculation into the program. Non-matriculated students do not qualify for financial aid.

Advising

Academic advisers are available to help prospective and current students decide which online course and/or program best suits their needs and career goals.

Advisers can evaluate transfer credits, help students select the right courses to complete a program of study, and provide information about academic policies. For more information about each online learning program, please visit www.rit.edu/online.

Brief descriptions of each program, with adviser contact information and listings of website addresses, are listed on pages 6-28. A tentative listing of online courses for the 2011-12 academic year is listed in the back of this guide.

Expenses and Financial Aid

“Finally, an institution that truly values the military learner, from tuition discounts and deferments to instructors who are not only leaders in their respective professions, but who genuinely understand that military life requires a degree of flexibility. In the 20+ distance learning courses I’ve taken, RIT has by far been the best experience to date. I highly recommend it.”

Technical Sergeant Jason Martin, United States Air Force, Misawa Air Base, Japan, Data Communications Certificate '08, MS Telecommunications Engineering Technology seeking

Tuition

Your tuition for part-time or online study is based on the total number of credits taken during each quarter. Note that most RIT courses are four credits. Part-time and online students generally take one or two courses per quarter (4-8 credits). To qualify for our part-time tuition rates, you may take no more than 11 credits per quarter.

RIT 2011–12 Part-time Online Tuition Rates

Program	1-11 Cr. Hrs. Tuition
Graduate	\$963/credit hour
Undergraduate	\$473/credit hour

Financial Aid and Scholarships

The Office of Financial Aid and Scholarships at RIT administers federal, state, and institutional financial aid programs. These programs are available for online students. The number of credit hours you plan to enroll for each academic quarter and your financial need determine your eligibility for aid.

Additionally, federal and state aid programs require that students:

- be U.S. citizens or eligible noncitizens,
- be matriculated (accepted into a degree program) through the Office of Admissions

into a program that is at least 24 credit hours in length, and

- file a Free Application for Federal Student Aid (FAFSA).

If you would like to apply for financial aid at RIT, simply complete the online FAFSA at www.fafsa.gov. If you have questions regarding your eligibility for financial aid, contact the Office of Financial Aid and Scholarships by phone at 585-475-2186 or by e-mail at ritaid@rit.edu. You also can find helpful information at www.rit.edu/financialaid. Below is a highlight of the aid programs available to online students at RIT:

Scholarships/Grants	Eligibility	Amount	How to Apply
RIT Part-Time Studies Grant	Part-time undergraduate students enrolled for less than 12 credit hours in an RIT degree program. Must demonstrate financial need.	Varies	File FAFSA.
RIT Undergraduate Grants	Full-time undergraduate students enrolled for minimum of 12 credit hours in an RIT degree program. Must demonstrate financial need.	Varies	File FAFSA.
Institute Graduate Scholarships	Graduate student matriculated into an RIT graduate degree program.	Varies	Complete graduate admissions application and check appropriate box to be considered for graduate scholarship.
Graduate Assistantships	Varies according to need and program of study.	Varies	Contact academic department.
Center for Multidisciplinary Studies (CMS) Continuing Education Scholarship	Enrolled in a CMS Continuing Education program. Attain and maintain a 3.0 average.	Varies and is determined by the CMS Scholarship Committee	Complete the CMS Continuing Education Scholarship application.

Scholarships/Grants	Eligibility	Amount	How to Apply
New York State Aid For Part-Time Study (APTS)	Awarded to matriculated undergraduate students enrolled for 6 to 11 credits per term and who meet NYS residency requirements. Must demonstrate financial need based on NYS net taxable income and must not have received the equivalent of four years of NYS TAP aid.	Maximum award is \$2,000 per year; not to exceed cost of tuition	Complete and submit an APTS application to the Office of Financial Aid and Scholarships.
Federal Pell Grant	Undergraduate students pursuing their first bachelor's degree and meet need criteria	Varies; up to \$5,550 per year	File FAFSA.
Tuition Assistance Program (TAP)	New York state resident matriculated and enrolled full time (minimum of 12 credit hours per quarter)	Up to \$5,000 per year	File FAFSA and link will be provided to online TAP application.
Vietnam Veterans Tuition Assistance Program Persian Gulf Veterans Tuition Award Program	Recipients must meet NYS residency requirements and have served in the armed forces in Indochina or the Persian Gulf during specified periods of hostility.	Awards are \$1,000 per year for full-time study or \$500 per year for part-time study.	Apply for TAP at www.HESC.org and complete the appropriate award supplement. Contact NYSHESC at 888-697-4372 for information or check online at www.HESC.org.
New York State Military Tuition Award	Undergraduate, New York state resident enrolled for less than 12 credits per quarter. Must be current member in good standing with the New York State Air National Guard, Naval Militia, or Army National Guard.	Up to \$3,400 per year	File FAFSA and contact NYSHESC at 888-697-4372 or check online at www.HESC.org for information.

Loans	Eligibility	Amount	How to Apply
Federal Direct Loans – Dependent Undergraduate Students	Students enrolled at least half-time in a degree program	Maximum amount: 1st year: \$5,500 (no more than \$3,500 of this amount can be in subsidized loans) 2nd year: \$6,500 (no more than \$4,500 of this amount can be in subsidized loans) 3rd, 4th, 5th years: \$7,500 (no more than \$5,500 of this amount can be in subsidized loans)	File FAFSA.
Federal Direct Loans—Independent Undergraduate Students and Graduate Students	Independent undergraduates and graduates enrolled at least half-time in a degree program	Maximum amount (includes subsidized and unsubsidized): 1st year: \$9,500 (no more than \$3,500 of this amount can be in subsidized loans) 2nd year: \$10,500 (no more than \$4,500 of this amount can be in subsidized loans) 3rd, 4th, 5th years: \$12,500 (no more than \$5,500 of this amount can be in subsidized loans) Graduate/Professional: \$20,500 (no more than \$8,500 of this amount can be in subsidized loans)	File FAFSA.
Private Alternative Loans	Enrolled students who are credit-approved by lender	Up to the cost of education less other financial aid	Contact the Office of Financial Aid and Scholarships at 585-475-2186 or www.rit.edu/financialaid.

Resources and Support

“The flexibility of the online program allows me to better manage my time at work, home, and on the road. With significant responsibility at work and a crazy home life, having the ability to listen to the lecture on my own time is very important. The ability to work with my proctor to identify amicable time to take the exams within the pre-determined time frames allows me to meet all my needs. The comradery that the students set up in the classes are on par with any other online program; they too have full lives and can appreciate the daily struggle.”

Pritesh P., MS, Applied Statistics seeking, Ladera Ranch, CA

Course management system

RIT's course management system, myCourses, allows students to interact with one another and their instructor and access course materials online through a standard Web browser. Instructors can set up their courses to include a variety of materials such as document and file sharing, course calendars, news, quizzes and surveys, grades, chats and discussions, and electronic drop boxes to submit assignments. Just as every on-campus course is different, depending on the preference of the instructor, every online course is different as well. Access to your online course begins one week prior to the official course start date so that you may become acquainted with your course.

Orientation services

All students registered in an online course receive an e-mail to their RIT e-mail address three weeks prior to the first day of the quarter. This e-mail welcomes students to online learning at RIT and directs them to RIT's course management system, myCourses. From there, they can access the Online Student Community to read and complete the Quarterly Startup. As part of the Quarterly Startup self-guided tutorial, students may review course information, order course materials online

for mail delivery, and review any proctored examination requirements.

RIT e-mail and computer account

The RIT computer account is essential for utilizing myCourses and other RIT computer services. It provides you with access to the same RIT network resources that are available to on-campus students. Students who are new to RIT, and registered for an online course, will receive an e-mail from ITS with activation instructions for your RIT computer account. This e-mail will be sent to the e-mail address provided at the time of registration, within three business days of receipt of your online course registration.

General and technical support services

RIT is committed to helping students have a rewarding and successful online experience. Support is available by e-mail, IM, phone, and in person. Quarterly support hours and contact information can be found on the Academic Technology website at <http://online.rit.edu/contact>.

Exams

Online course exams are administered in a variety of ways, depending on the preference of the instructor. Exams can be online, or scheduled proctored exams. Your instructor will inform you if proctored exams are a requirement for the course by posting this information in the course syllabus or outline.





Library services

The Wallace Library is the hub for research and information exchange, housing traditional and digital research materials conveniently under one roof. The library is best described as a high-technology, multimedia resource center offering access to a vast array of information resources. Collections, services, and features found within Wallace Library include the Cary Collection, a renowned library on printing history, the RIT Archive Collections, and the VIA Lab, providing access to workstations, printing, image scanning, an array of software as well as networked resources.

The same library services and resources are provided to both online and on-campus students. Full-text articles, document delivery, electronic reserves, and interlibrary loan services are available electronically to all online learning students.

Wallace Library Information Delivery Services (IDS) includes overnight delivery of Wallace Library-owned materials to your home at no charge to online learners. Additionally, procurement of materials not owned by Wallace Library is possible through the library's Interlibrary Loan Service, and is available to all online learners. You may place requests, check the status of your requests, renew materials, and communicate with the Information Delivery Services staff from their website at <http://ill.rit.edu/Illiad/Logon.html>.

Anywhere, anytime, access is available via the library's website to the online catalog, electronic course reserves, 250+ electronic research databases, digital art collections, and a myriad of librarian-selected Internet resources. These resources include a growing collection of approximately 30,000 electronic journals and

more than 70,000 full-text electronic books. Database descriptions are annotated and listed by subject area. The databases provide students with the most current readings for research and course materials. A variety of digital image collections also are available, including ARTstor (hundreds of thousands of images covering art, architecture, and archeology), Catalog of Art Museum Images Online (95,000 works from the world's leading museums), AP Images (750,000 photographs), and more. Online tutorials on how to research, information and training modules on a variety of course-specific topics, and live virtual reference help are additional services provided to online learners.

Military and Corporate Student Services

“Continuing my education through RIT online has allowed me to serve our country while obtaining my degree. Through two deployments to Iraq and back to Camp Lejeune, North Carolina, I have been able to continue my education, enabling me to do what I hadn’t thought possible.”

Sergeant Thomas B., United States Marine Corps, BS, Applied Arts and Science seeking, Charlotte, NC

Military students

An RIT Military/Veterans specialist is available exclusively to assist you. RIT’s Office of Veteran Enrollment Services provides:

- benefit assistance
- counseling/guidance
- credit evaluation assistance
- tuition deferments

Minimized tuition expense

Our Office of Veteran Enrollment Services can help reduce your tuition expense using tuition assistance, GI Bill, or a combination of the two.

Shorter time to completion

Most military MOSs and service schools have been evaluated by ACE for college-level credit. This may shorten the time you need to complete your degree. Candidates with official AARTS or SMART transcripts are encouraged to submit these to RIT as part of your application process

for appropriate transfer credit evaluation.

Flexible course options

Online study is a great way to pursue your education wherever you may be located.



Geographic mobility does not affect your course work unless you transfer to an area where there is no Internet connection. Active duty military personnel who find themselves unable to complete course work in a given quarter are afforded flexible completion options, including prorated tuition refund (in accordance with the Student Financial Services schedule) and the opportunity to pick up with the remaining course work in the next term that the course is offered. Students will need to work closely with the instructor and academic adviser to discuss options available.

Corporate-supported students

Nearly 500 corporations take advantage of RIT’s unique program that allows the student to focus on his/her studies while we work directly with an appointed organization representative on billing. Candidates who are tuition-sponsored by their organizations may qualify for this program. Contact the Office of Part-Time Enrollment Services for details at 585-475-2229.

Corporate education partnerships

RIT is committed to meeting corporate and industry work force needs. We have teamed up with a number of organizations over the years, and our partners often receive a tailored education package specific to their objective.

Some examples of RIT’s flexibility include:

- Cohort education
- Tuition deferment (for qualified employers)
- Executive education
- Customized curriculum

Every partnership is different just as the needs of each employer or industry vary. Let us help you deliver top performance through our education opportunities.

Cooperative education

For more than 90 years, the hallmark of an RIT education has been the practical, paid work experience provided through cooperative education. Co-op is one of the most effective means for employers to identify and acquire key talent. Students who are required to complete a cooperative education experience as part of their academic program and who already are employed in a related industry or occupation may qualify for a waiver of this requirement. Contact your academic adviser or the Office of Cooperative Education at 585-475-2301 for more details.

If you are looking to partner with RIT as a co-op employer, call 585-475-2301.

Contacts

585-475-2229
toll free 866-260-3950
www.rit.edu/online
opes@rit.edu

"The staff at RIT was very supportive and attentive to my needs. The fact that I had an excellent adviser dedicated to my needs made [the choice to attend RIT] a no-brainer for me."

William M., BS Applied Arts and Science '10, Verizon, Medford, MA

The Office of Part-time and Graduate Enrollment

(For program and course advising)
Phone: 585-475-2229 or 866-260-3950
E-mail: opes@rit.edu
www.rit.edu/online

Bookstore – Barnes & Noble@RIT

Phone: 585-475-2501
TTY: 585-475-7071
E-mail: sm614@bncollege.com
www.rit.bncollege.com

Office of Student Financial Services

Phone: 585-475-6186
TTY: 585-475-5489
E-mail: asksfs@rit.edu
<http://finweb.rit.edu/sfs/>

Office of Financial Aid and Scholarships

Phone: 585-475-2186
TTY: 585-475-6909
E-mail: ritaid@rit.edu
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ITS Help Desk

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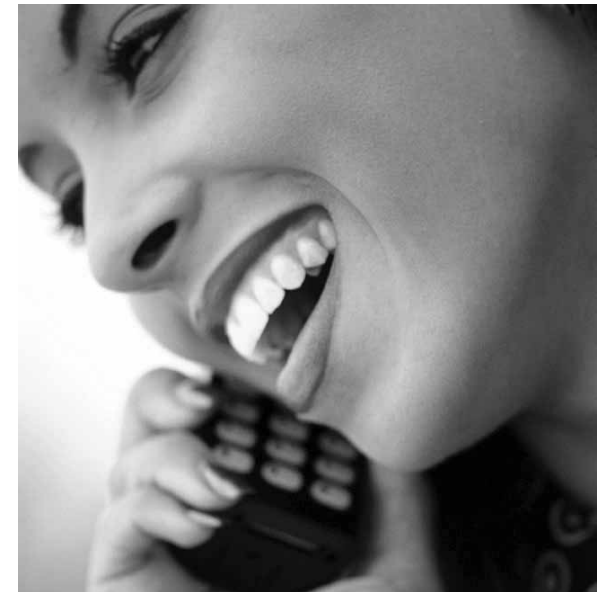
The Wallace Center

Academic Technology Support Registered Student Support

Phone: 585-475-2551 ext. 2
Toll-Free: 800-CALL-RIT
E-mail: online@rit.edu
<http://online.rit.edu/contact>

RIT Libraries Online Learning Librarian

Susan Mee
Phone: 585-475-2568
E-mail: samwml@rit.edu
<http://wally.rit.edu>



Annual Online Course Listing

This is a tentative schedule. Courses and their availability are subject to change without notice.

		Fall 2011	Winter 2012	Spring 2013	Summer 2014
E. PHILIP SAUNDERS COLLEGE OF BUSINESS					
0101-301	Financial Accounting		x		
0101-703	Accounting for Decision Makers	x			
0102-320	Organizational Behavior				x
0102-735	Strategic Management of Technological Innovation				x
0102-740	Organizational Behavior & Leadership	x	x		
0103-705	Economics for Managers			x	
0104-220	Personal Financial Management		x		x
0104-350	Corporate Finance			x	
0104-721	Financial Analysis Manager		x		
0105-363	Principles of Marketing	x			
0105-505	Buyer Behavior				x
0105-761	Marketing Concepts				x
0106-743	Operations & Supply-Chain Management				x
0106-782	Statistical Analysis of Decision Making			x	
0106-810	Statistical Analysis for Managers			x	
0112-312	Building a Web Business	x			
0113-710	Global Business Environments	x			x

KATE GLEASON COLLEGE OF ENGINEERING

0303-762	Systems Modeling and Decision Making		x		
0305-701	Microelectronics I	x	x		
0305-702	Microelectronics II		x		
0305-703	Microelectronics III				x
0305-721	Microlithography Materials and Processes	x	x		
0305-731	Microelectronics Manufacturing I		x		
0307-442	Statistical Computing				x
0307-711	Fundamentals of Statistics I	x			
0307-712	Fundamentals of Statistics II		x		

		Fall 2010	Winter 2010	Spring 2010	Summer 2010
COLLEGE OF APPLIED SCIENCE AND TECHNOLOGIES					
0307-714	Principles of Applied Statistics	x		x	
0307-721	Statistical Process Control		x		
0307-731	Statistical Acceptance Control			x	
0307-742	Statistical Computing				x
0307-751	Math for Statistics				x
0307-772	Applied Survey Design & Analysis				x
0307-781	Quality Management	x		x	
0307-782	Quality Engineering				x
0307-801	Design of Experiments I	x		x	
0307-802	Design of Experiments II		x		
0307-821	Theory of Statistics I	x			
0307-822	Theory of Statistics II		x		
0307-834	Multi Stats - Imaging Science		x		
0307-841	Regression Analysis I		x	x	
0307-842	Regression Analysis II			x	
0307-846	Principles Statistical Mine I			x	
0307-862	Reliability Statistics I			x	
0307-883	Quality Engineering by Design		x		
0307-884	Categorical Data Analysis		x		
0307-894	Capstone		x		x

COLLEGE OF APPLIED SCIENCE AND TECHNOLOGIES

0607-502	Packaging Materials	x	x	x	
0607-503	Packaging Container Systems	x	x	x	
0607-504	Concepts to Consumers			x	
0607-536	Medical Products Packaging			x	
0607-597	Special Topics for Packaging Science		x		

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		Fall 20101	Winter 20102	Spring 20103	Summer 20104
0607-701	Research Methods	x	x		
0607-730	Packaging and the Environment			x	
0607-763	Packaging for End-use	x			
0609-333	Concepts in Signals and Systems				x
0609-337	Electric Machines and Transformers		x		
0609-411	Electrical Principles I	x			
0609-412	Electrical Principles II			x	
0609-413	Applied Microprocessors				x
0609-534	Communication Systems I	x			
0609-550	Power Systems I	x			
0610-211	Introduction to Materials Technology	x			
0610-408	Applied Mechanics I	x			
0610-410	Applied Mechanics II		x		
0610-416	Materials Technology			x	
0610-432	Computers in Mechanical Engineering Technology		x	x	
0610-509	Product Design		x		
0610-570	Robust Design	x			
0610-710	Product Development and Integration		x		
0614-271	Telecommunications Fundamentals				x
0614-440	Ethics, Economics and Planning for Engineers		x		
0614-464	Voice Communication Systems	x			
0614-475	Switching Technologies	x			
0614-477	Networking Technologies			x	
0614-480	Introduction to Telecommunications Policy			x	
0614-483	Telecom Transmission Sys			x	
0614-484	Telecom Trans System Lab			x	
0614-561	Telecommunications Network Engineering			x	
0614-562	Telecommunications Network Engineering Lab			x	
0614-574	Network Planning and Design	x			
0614-720	Telecommunications Concepts		x		
0614-722	Principles of Telecommunications Networks	x			

		Fall 20101	Winter 20102	Spring 20103	Summer 20104
0614-732	Fiber Optic Telecommunications Technology			x	
0614-761	Telecommunications Network Engineer			x	
0614-764	Telecommunications Systems	x			
0614-774	WAN/LAN Planning and Design	x			
0614-780	Telecommunications Policy & Issues			x	
0614-783	Telecom Transmission Sys			x	
0614-890	Grad Thesis/Project Plan				x
0617-262	Solid Modeling and Design				x
0617-436	Engineering Economics			x	x
0617-440	Production and Operations Management I	x			
0617-441	Production and Operations Management II			x	
0617-470	Controls for Manufacturing Automation			x	
0617-870	Manufacturing Automation Controls			x	
0618-231	Technical Programming I				x
0619-322	Service Management Global Economy		x		
0619-480	Human Resources Management		x		
0620-300	Sports Nutrition	x	x	x	
0620-510	Nutrition Alt Medicine			x	
0624-770	Service Leadership: Examining & Implementing Change	x		x	
0624-825	Strategic Process of Service Firms	x			
0624-827	Technical Transfer in Hotel Industry	x			
0625-750	Elements of Service Management: Systems Approach	x		x	
0625-842	Customer Relations Management		x		
0625-844	Breakthrough Thinking, Creativity and Innovation	x			
0625-849	Service Performance Metrics			x	
0625-895	Sli-comprehensive Exam				x
0626-427	Employment Law	x			
0626-554	International Human Resources	x			
0626-701	Business Acumen		x		

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		Fall 20101	Winter 20102	Spring 20093	Summer 20094
0626-702	Leveraging Technology		x		
0626-704	Competitive Staffing and Selection	x			
0626-705	Competency Driven Organization	x		x	
0626-710	Theory of Organizational Development	x			
0626-720	Theories of Career Development				x
0626-727	Human Resource Metrics		x		
0626-730	Strategic Employee Development			x	
0626-735	Human Capital Strategies		x		x
0626-755	Graduate Writing Seminar		x		
0626-782	Human Performance Management Practices			x	
0630-352	Industrial Wastewater Management		x		
0630-354	Air Emissions Management	x			
0630-444	Remedial Investigation/Corrective Action			x	
0630-454	Occupational Safety	x			
0630-490	Project Management			x	
0630-710	Remedial Investigation/Corrective Action			x	
0630-711	Occupational Health			x	
0630-712	Occupational Safety	x			
0630-713	Solid and Hazardous Waste Management			x	
0630-714	Industrial Waste Water Management		x		
0630-715	Air Emissions Management	x			
0630-720	Environmental Health & Safety Management	x		x	
0630-725	EHS Accounting & Finance		x		
0630-740	EHS Management System Design		x		
0630-750	EHS Project Management			x	
0630-755	Research Methods Foundation	x	x		
0630-760	Integrating Environmental Health & Safety into Business Management	x			
0630-765	Product Stewardship	x			
0630-790	EHS Internal Auditing			x	
0630-890	Thesis Planning			x	
0632-700	Principles and Practice in Facility Management	x			

		Fall 20101	Winter 20102	Spring 20103	Summer 20104
0632-720	EHS For Facilities Management	x			
0632-760	Space Planning in Facility Management			x	
0632-800	Operation and Maintenance of Facilities I			x	
0632-810	Operation and Maintenance of Facilities II	x			
0632-830	Real Estate of Facilities		x		
0632-850	Digital Communication & Analytical Tools in Facility Management		x		
0633-401	Fire Protection	x			
0633-465	Product Stewardship	x			
0633-530	Mechanical & Electrical Controls & Standards		x		
0633-540	System Safety, Incident Investigation	x			
0633-712	Fire Protection	x			
0633-730	Mechanical & Electrical Controls & Standards		x		
0634-311	Earth Science	x		x	
0634-321	Man-made Hazards		x		
0634-401	Emergency Preparedness Law			x	
0634-471	Emergency Planning & Method				x
0634-475	Counter Terrorism 1st Response			x	
0634-481	Emergency Operations	x			
0635-310	Survey Health Care System	x			
0635-320	Health Systems Administration		x		
0635-351	Health Care Economics and Finance			x	
0635-421	Legal Aspects of Health Care Administration		x		
0635-431	Health Care Quality Assurance	x			
0635-441	Health Planning and Program Development			x	
0635-712	Library Research Methods	x		x	
0635-714	Data Analysis		x		x
0635-718	Research Writing	x			
0635-723	Lean Sigma Application in Health Care				x
0635-777	Health Systems Administration Internship				x
0635-796	Risk Management in Health Systems			x	
0635-815	Finance for Operation	x			x
0635-820	Health Systems Economics and Finance			x	
0635-840	Health Systems Policy & Law	x			

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		Fall 20101	Winter 20102	Spring 20103	Summer 20104
0635-881	Health Insurance Reimbursement			x	
0635-882	Bioethics	x			
0660-222	Principles of Manufacturing Processes			x	
0660-401	Thermal Fluid Science I	x			
0660-402	Thermal Fluid Science II		x		
0660-403	Thermal Fluid Science III			x	
0660-405	Laboratory Practicum for E/MET				x
0660-419	Experimental Methods in Problem Solving in E/MET				x

NATIONAL TECHNICAL INSTITUTE FOR THE DEAF

0835-702	Deaf Students: Educational and Cultural Diversity			x	
0875-305	Deaf Expressions	x	x	x	

COLLEGE OF SCIENCE

1009-502	Biochemistry: Conformation & Dynamics	x			x
1009-503	Biochemistry: Metabolism				x
1009-702	Biochemistry: Conformation & Dynamics				x
1009-703	Biochemistry: Metabolism				x
1011-205	Chemistry Principles I Lab	x	x	x	x
1011-206	Chemistry Principles II Lab		x	x	x
1011-208	College Chemistry I		x		
1011-215	Gen & Analytic Chem I		x		
1011-227	General and Analytical Chemistry III Lab			x	x
1011-230	Principles Chemistry I				x
1011-231	Principles Chemistry II				x
1011-232	Principles Chemistry III				x
1011-273	Introduction to Chemistry of Materials			x	
1011-277	Introduction to Chemistry Materials Lab			x	
1011-308	Clean Energy: hydro/fuelcel			x	
1026-301	Medical Terminology	x	x	x	x
1026-305	Sports Phys Life Fitness	x	x	x	x
1051-713	Noise and Random Processes			x	
1051-716	Fourier Methods Imaging	x			

		Fall 20101	Winter 20102	Spring 20103	Summer 20104
1051-719	Radiometry	x			
1051-720	Human Visual System	x			
1051-762	Remote Sensing & Image Analysis II		x		
1051-763	Remote Sensing: Spectral Image Analysis			x	
1051-775	Applied Colorimetry	x			
1051-784	Digital Image Processing: Spatial Pattern Recognition			x	

COLLEGE OF IMAGING ARTS AND SCIENCES

2065-552	St: Hollywood Perspective		x		
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INTERDISCIPLINARY STUDIES

3080-201	Financial Accounting		x		
3080-224	Personal Financial Management			x	
3081-221	New Venture Development	x			
3081-222	Small Business Management		x	x	
3081-223	Small Business Marketing and Planning			x	
3081-264	Advertising Evaluation and Techniques			x	
3081-410	Introduction to Project Management		x	x	
3081-411	Advanced Project Management			x	
3081-412	International Project Management	x			x
3081-451	Introduction to Logistics and Transportation	x			
3081-525	Strategic Logistics Management		x		
3081-526	Logistic Law & Economics			x	
3081-710	Introduction to Project Management	x	x	x	
3081-711	Advanced Project Management			x	
3081-712	International Project Management	x			x
3084-310	Intorduction to Quality	x		x	
3084-340	Quality Data Analysis		x		
3084-410	Introduction to Lean Six Sigma		x		x
3084-420	Statistical Quality Tool	x		x	
3084-430	Management for Quality	x		x	
3084-480	Introduction to Asset Management			x	
3084-780	Introduction to Asset Management			x	
3088-325	Communicating in Business	x	x	x	x

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		Fall 20101	Winter 20102	Spring 20103	Summer 20104
3084-420	Statistical Quality Tool	x		x	
3084-430	Management for Quality	x		x	
3084-480	Introduction to Asset Management			x	
3084-780	Introduction to Asset Management			x	
3088-325	Communicating in Business	x	x	x	x
3088-333	Technical Writing and Editing	x	x		
3088-347	Promotional Writing		x		
3088-348	Managing the Project			x	
3088-350	Introduction to Public Relations	x			
3088-354	Speechwriting				x
3088-356	Strategic Communications		x		
3088-361	Research Techniques				x
3088-363	Technical Document Design			x	
3088-381	Photo Imaging W/comp I	x			
3088-398	Special Topics	x	x	x	
3088-412	Advanced Photoshop Tech		x		
3088-426	Design for Print & Web	x			
3088-475	Writing Software User Doc				x
3088-476	Instructional Design Principles		x		
3088-477	Managing Media Presentations		x		
3088-510	Technical Information Design			x	
3088-511	Documentation Usability	x			
3088-514	Technical Proposals	x			
3088-544	Writing for the Sciences		x		
3088-711	Technical Information Design			x	
3088-712	Advanced Photoshop Tech		x		
3088-714	Science Writing		x		
3088-716	Designing Non-Traditional Learning Programs				x
3088-717	Design Interactive Training		x		
3088-718	Designing On-the-Job Training			x	
3088-721	Creating Technical Proposals	x			
3088-726	Design for Print & Web	x			

		Fall 20101	Winter 20102	Spring 20103	Summer 20104
3088-741	Usability Design and Testing	x	x		
3088-750	Performance Based Training		x		
3088-798	Special Topics	x	x	x	
3092-201	Math Thought and Processes	x		x	
3092-202	Modern Math Methods		x		x
3092-211	College Math for Business	x		x	
3092-212	College Math for Business II				x
3092-221	Technical Math I	x	x		
3092-222	Technical Math II			x	
3092-231	Contemporary Science: Biology	x	x	x	x
3092-232	Contemporary Science: Chemistry		x		
3092-233	Contemporary Science: Physics		x		
3092-234	Oceanus	x	x	x	x
3092-250	Introduction to Computer Program		x		x
3092-311	Statistics I	x		x	
3092-312	Statistics II		x		x
3093-401	Intro Geograph Info Sys				
3093-701	Intro Geograph Info Sys				
3096-700	Security Technology Management			x	
3096-703	Security Enhance Environ Design	x			
3096-704	Interal Organizational Security Management	x			
3097-305	Experiential Leadership	x	x	x	
3097-431	Understanding Corporate Culture			x	
3097-432	Managing Organizational Change		x		
3097-433	Teams & Team Development		x		
3097-435	Global Forces and Trends	x			
3097-441	Creative Critical Thinking and Problem Solving				x
3097-442	Learning Organization	x			
3097-510	Multidisciplinary Life	x	x		x
3099-705	Context and Trends		x		
3099-775	Capstone Project	x	x	x	x

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**B. THOMAS GOLISANO COLLEGE OF
COMPUTING AND INFORMATION SCIENCES**

Fall 20101
Winter 20102
Spring 20103
Summer 20104

	Fall 20101	Winter 20102	Spring 20103	Summer 20104
4002-360 Introduction to Database and Data Modeling				x
4002-510 Fundamentals of Instructional Technology	x			
4002-512 Interactive Courseware		x		
4002-710 Object Technologies	x			
4002-720 Data Object Development		x		
4002-722 Fundamentals of Instructional Technology	x			
4002-723 Interactive Courseware		x		
4002-725 Component Development		x		
4002-726 Research Methods	x			
4002-752 Themes in Software Development and Management			x	
4002-765 User-Centered Design Methods	x			
4002-819 Integration Technologies		x		
4002-820 Economics of Software Development			x	
4002-821 Data Architecture and Management	x			
4002-823 Agent-based Modeling			x	
4002-825 Systems Architectures			x	
4002-830 Project Management		x		
4002-831 Process Management	x			
4002-893 Seminar Thesis and Project Preparation	x		x	
4002-895 Software Development and Management Capstone	x		x	
4003-420 Data Communications and Networks I	x	x	x	
4003-440 Operating Systems I		x		
4003-455 Artificial Intelligence				x
4004-745 Found Human-comp Interaction	x			

Fall 20101
Winter 20102
Spring 20103
Summer 20104

	Fall 20101	Winter 20102	Spring 20103	Summer 20104
4004-748 Usability Engineering		x		
4004-755 Advanced Topics in HCI		x		
4004-781 Usability Economics			x	
4005-740 Data Communications and Networks I	x	x		
4005-773 Data Cleaning and Preparation			x	
4005-774 Secure Database Systems		x		
4005-785 Secure Coding	x			
4050-540 Network Design and Performance	x		x	x
4055-721 Perl for System Administration	x			
4055-726 Research Methods NSSA	x		x	
4055-746 Telecommunications Network Protocols	x		x	
4055-755 Secure Wireless Networks	x		x	
4055-760 Computer Viruses and Malicious Software		x		
4055-761 Principles of System Administration	x		x	
4055-817 Emerging Network Technologies	x		x	
4055-841 Advanced Computer Forensics	x	x		
4055-850 Network Design and Performance		x	x	
4055-862 Advanced Routing Protocols			x	
4055-882 Enterprise Security	x	x		
4055-883 Enterprise Networking		x		
4055-884 Enterprise Service Provisioning			x	
4055-886 Security Audits of Web Servers and Applications			x	
4055-890 Seminar in Risk Management	x			
4055-896 Proposal Development			x	

Undergraduate Programs		Degree and HEGIS Code*						
	College	Certificate	Diploma	AOS	AS	AAS	BFA	BS
Applied Arts and Sciences	Applied Science and Technology		5699			5699		4999
Communication, Technical:								
Basic	Applied Science and Technology	5008						
Advanced	Applied Science and Technology	5008						
Communications, Public Relations:								
Professional Writing	Applied Science and Technology	5008						
Health Systems Administration	Applied Science and Technology	5299						
International Logistics and Transportation	Applied Science and Technology	5099						
Quality Management	Applied Science and Technology	5004						
Small Business Management	Applied Science and Technology	5004						

*Higher Education General Information Survey

Graduate Programs		Degree and HEGIS Code*						
	College	Advanced Certificate	Ph.D.	MBA	ME	MFA	MS	MST
Business, Management, and Human Services								
Elements of Health Care Leadership	Applied Science and Technology	1202						
Facility Management	Applied Science and Technology						0599	
Health Information Resources	Applied Science and Technology	1202						
Health Systems Administration†	Applied Science and Technology						1202	
Health Systems Finance	Applied Science and Technology	1202						
Project Management	Applied Science and Technology	0506						
Senior Living Management	Applied Science and Technology	0599						
Service Leadership and Innovation†	Applied Science and Technology						0599	
Strategic Training	Applied Science and Technology	0515						
Executive MBA	Business			0506				
Computer and Information Sciences and Technology								
Networking Planning and Design	Computing and Information Sciences	0702						
Networking and System Administration	Computing and Information Sciences						0702	
Multidisciplinary Studies								
Professional Studies	Applied Science and Technology						4999	
Engineering and Technology								
Applied Statistics	Engineering						1702	
Environmental, Health and Safety Management	Applied Science and Technology						0420	
Microelectronics Manufacturing Engineering	Engineering				0999			
Statistical Quality	Engineering	1702						
Telecommunications Engineering Technology	Applied Science and Technology						0925	
Art, Design, Crafts, Photography, Film, Graphic Arts								
Technical Information Design	Applied Science and Technology	0605						
Science, Mathematics, and Imaging Science								
Applied Statistics	Engineering						1702	
Imaging Science	Science		1999.20				1999.20	
Statistical Quality	Engineering	1702						
Statistical Methods for Product and Process Improvement	Engineering	1702						

*Higher Education General Information Survey

†These programs include degree completion through Executive Education option.

R·I·T

Rochester Institute of Technology