The Rensselaer Master of Science in Information Technology balances the study of management strategies and technology leadership with advanced course work in an IT concentration. Students complete a suite of core and capstone courses and also select three to five additional courses to complete their concentrations. Professional and research tracks are offered for the M.S. in IT degree.

**LOCATIONS**
The 275-acre Rensselaer campus is located on a hill in a beautiful park-like setting, with a striking combination of traditional ivy-covered buildings and modern facilities. The campus overlooks historic downtown Troy, New York, which is located on the upper Hudson River.

**RESEARCH HIGHLIGHTS**
- 9 affiliated research centers
- 3 research constellations

**FACULTY**
- 105 faculty members
- 2 members of the National Academies
- 17 NSF CAREER Awards among current faculty
- NIH MERIT Award

For general inquiries, information, or questions, contact:

**Lessa Shear**  
Student Services Administrator  
(518) 276-2660  
shearl@rpi.edu

**DEPTHS OF EXPERIENCE—THE IT CONCENTRATIONS**
Concentrations are designed to provide an in-depth experience in the application of information technology. Eleven concentrations are currently available.
- Data Science and Analytics
- Database and Intelligent Systems
- Financial Engineering
- Information Dominance
- Information Security
- Information Systems Engineering
- Human-Computer Interaction
- Management Information Systems
- Networking
- Software Design and Engineering
- Web Science

**AFFILIATIONS**
- Tetherless World Constellation
- The Rensselaer Institute for Data Exploration and Applications (IDEA)
- Advanced Multiprocessing Optimized System (AMOS)
CAPSTONE COURSE
PROFESSIONAL TRACK

The M.S. in IT capstone course integrates the knowledge and professional practice of IT core and concentration courses. The capstone utilizes an Information Technology team project with a real organization to practice the major concepts of the IT master’s degree. The team project involves strategic and business planning, systems development, and technology implementation. Expertise in database systems, data analytics, software design and engineering, decision sciences, management of technology, human-computer interaction, and ethics are applied within a framework of global IT strategy.

RESEARCH TRACK

Students also have the option to choose a Master’s Project or Master’s Thesis in lieu of the capstone course. The final project or thesis completion will demonstrate skills in one concentration as well as understanding of the five core areas of IT. The Master’s project is also expected to have some practical significance or application. Thesis papers will follow all the guidelines set out by the Office of Graduate Education. Students will work with a faculty adviser based on area of interest and are encouraged to read current journal articles or papers in their concentration. Once a topic for research has been determined, students will work closely with the faculty adviser to complete the project or thesis over two semesters.

ITWS CAREERS AND SALARIES

M.S. in IT Rensselaer graduates are heavily recruited by top companies with many graduates receiving multiple offers. Job titles of graduates includes Software Engineer, Information Technology Analyst, Application Developer, Technology Consultant, and Computer Programmer. Cisco, Capital One, Oracle, Amazon, IBM, Bank of America, and Capital IQ are just a few of the companies that hire M.S. in IT graduates. In December 2012, the average starting salary for graduates of the M.S. in IT degree was $84,000. The highest starting salary to date is $110,000.

FACULTY AND RESEARCH AREAS

Peter Fox
Director of Information Technology and Web Science; Faculty Leader for Data Science and Analytics Concentration
Solar-terrestrial physics, computational and computer science, information technology, and grid-enabled, distributed semantic data frameworks.

Roger Grice
Clinical Associate Professor of Technical Communication and HCI
Information usability, human-computer interaction, communicating on the WWW, usability testing and evaluation, analysis of computer games interfaces, effective teaching and learning in virtual classroom and designing the total user experience.

David Spooner
Professor and Faculty Leader for Information Security and Database and Intelligent Systems
Database security and Computer Science and Information Technology education.

Gregory N. Hughes
Founding Professor for the B.S. and M.S. degrees in Information Technology
Pursuing the latest trends in information technology, e-Business, and entrepreneurship.

Rick Plotka
Professor for the B.S. and M.S. degrees in Information Technology
Executive management, systems architecture, applications architecture, operations research management, project management, web systems development.

Carl Pavarini
Professor for the Management Core
Business issues for engineers and scientists.

Jim Hendler
Professor and Faculty Leader for the Web Science Concentration
Artificial intelligence, semantic web, agent based computing, high performance processing.

For a complete list of faculty and their research areas, visit itws.rpi.edu

To apply, learn more at www.rpi.edu/dept/admissions/graduate/