

# COMPUTER SCIENCE MS

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## PROGRAM OVERVIEW FOR EMPLOYERS

The Computer Science Department of Rochester Institute of Technology offers a graduate program leading to a master's degree in computer science, a program which prepares students for a wide variety of computer -related careers. Our students are qualified to work in the areas of product development and applied research, using the latest software tools and languages. The program is designed for students who have an undergraduate major or minor in computer science as well as those who have a strong background in a field in which computers are applied, such as engineering, science, or business. Students concentrate in one of the following clusters:

- Computational Vision and Acoustics
- Computer Graphics and Visualization
- Data Management
- Distributed Systems
- Intelligent Systems
- Languages and Tools
- Security
- Theory

### Degree Awarded

Master of Science Degree

### Enrollment

Approximately 800 BS students; approximately 40 BS/MS students; approximately 350 MS students.

### Cooperative Education Component

Graduate students have the option of completing up to a maximum of 12 months of work experience in either four (4) three-month assignments or two (2) six-month assignments.

### Salary Information (Avg/Range)

Co-op:	\$22.91	\$9.81 - \$45.00
MS:	\$76,500	\$65,000 - \$92,000

### Equipment & Facilities

Over 150 Linux workstations. 40 PC's  
Windows/Linux. 20 Macs

### Student Skills & Capabilities

Computing skills include, but are not limited to the following:

Languages:	Java, C++, C#, C, Lisp, Prolog, XML
Operating Systems:	Linux, OS X, Windows
Hardware:	Mac, PC

# Computer Science MS

## Course Sequence MS degree

The computer science M.S. program of study consists of 45 credits. There are two tracks to the degree: the thesis track and the project track. A thesis or project is the capstone to the M.S. in computer science.

### **The thesis track consists of:**

One required ("Core") course (4 credits)  
Four courses in one cluster (16 credits)  
Three Electives (12 credits)  
MS Project/Thesis Seminar (2 credits)  
Master's Thesis (7 credits)

### **The project track consists of:**

One required ("Core") course (4 credits)  
Four courses in one cluster (20 credits)  
Four Electives (2 credits)  
MS Project/Thesis Seminar (2 credits)  
Master's Project (3 credits)

### **The Core Course is:**

Theory of Computer Algorithms

The project or thesis is an extensive piece of work completed under faculty supervision, in one of the clusters. Advanced electives can be taken in the following areas: Computer Science, Computer Engineering, Electrical Engineering, Imaging Science, and Mathematics.

### **Employers of Computer Science MS Co-op and Graduating Students:**

Apple, ABB Industrial Systems, Amazon, Austin Detek, Cerner Corporation, Dialogic Incorporated, Digital, Eastman Kodak Company, Google, Hewlett-Packard, IBM, Lehman Brothers, Lucent Technologies, Microsoft, Metrosonics, Nortel, Paychex, Rogue Wave, Sun Microsystems, Xerox

### **Contact Us:**

We appreciate your interest in hiring RIT co-op, graduating students or alumni. We will make every effort to make your recruiting endeavor a success. Call our office and ask to speak with Annette Stewart, the program coordinator who works with the Computer Science MS program. For your convenience, you can access information and services through our web site at <http://www.rit.edu/recruit>.

#### **Annette K. Stewart Program Coordinator**

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