



M.S. in C.S. – Health Informatics

The M.S. in Computer Science is a flexible graduate program that allows you to tailor your program of study to your interests. At least one course must be taken from any one of the following core computer science courses:

1. CS 510 Programming Languages
2. CS 520 Operating Systems
3. CS 561 Database Management Systems
4. CS 573 Fundamentals of Cybersecurity
5. CS 600 Advanced Algorithm Design

In addition, up to three courses may be taken outside of computer science.

Beyond these requirements, the program is designed to allow you the flexibility to combine interests, for example, in software engineering, security, databases and SOA, health informatics, Web application development, networks and embedded systems, and network and systems administration.

The MS/CS suggested concentration in Health Informatics will give you the background to pursue a career in health information systems, including courses in SOA, privacy, data mining and health informatics. You will graduate with a MS in Computer Science and a Graduate Certificate in Health Informatics.

For Further Information

David Naumann,
Graduate Advisor
Telephone: 201-216-5608
Fax: 201-216-8249
Email: naumann@cs.stevens.edu



Department of Computer Science
 Stevens Institute of Technology
 Castle Point on Hudson
 Hoboken, NJ 07030

<http://www.cs.stevens.edu/grad>

Core Courses

Software Engineering SOA	SSW 540 Funds of Soft Eng CS 548 Eng of Ent Soft Systems CS 549 Distributed Systems
Data Management	CS 561 Database Mgt Systems CS 578 Privacy CS 513 Data Mining
Health Informatics	CS 544 Health Informatics

Suggestions for Elective Courses

Requirements	CS 545 Human Comp Interaction SOC 521 Software Requirements
Web Programming	SOC 611 Web Fundamentals CS 546 Web Programming
Mobile Computing Management	CS 522 Mobile and Perv Comp MIS 662 Legal Issues

Sample Study Plan*

	Year 1	Year 2
Fall	SSW 540 Funds of Soft Eng SOC 611 Web Fundamentals ¹	CS 548 Eng of Ent Software Sys ^{1,2} CS 549 Distributed Systems ¹
Spring	CS 513 Data Mining ² CS 545 HCI ¹	CS 544 Health Informatics ² CS 578 Privacy ²
Summer	CS 561 Database Mgt Systems	SOC 521 Software Requirements

* On-campus classes. On-line courses are typically scheduled in off-semesters.

¹ These four courses may be used to obtain a **Graduate Certificate in Service Oriented Computing**.

² These four courses may be used to obtain a **Graduate Certificate in Health Informatics**.

