

# DEPARTMENT OF COMPUTER SCIENCE

PhD program: [csphd@gmu.edu](mailto:csphd@gmu.edu)

MS programs: [csgrad@gmu.edu](mailto:csgrad@gmu.edu)

Undergraduate programs: [csug@gmu.edu](mailto:csug@gmu.edu)

General information: [csinfo@gmu.edu](mailto:csinfo@gmu.edu)

Phone: 703-993-1530  
Fax: 703-993-1710

Website: [cs.gmu.edu](http://cs.gmu.edu)

Computer science is a discipline concerned with the analysis, design, implementation, maintenance, and evolution of computer-based systems used in almost all walks of life. Computer science is at the center of the information revolution in the 21st century. Advanced computation tools and techniques are revolutionizing and transforming the way we work, play, communicate, collaborate, and conduct business. In addition, computational approaches are integral to several scientific and engineering fields such as computational sciences, bioinformatics, and health informatics, to name a few.

Computer scientists must be well-grounded not only in the theory of computing, but also in its application to diverse areas. Computer scientists must be capable of working closely with members of other professions associated with computing. Students who pursue this discipline will learn about programming languages, data structures, algorithms, operating systems, artificial intelligence, robotics, data mining, computer networking, cyber-security, databases and software engineering.

## Faculty

### Department Faculty

#### Professors

Aydin, Barbara, Brodsky, J. Chen, S. Chen, Kerschberg, Kosecka, Luke, Menascé, Motro, Offutt, Pullen, Rangwala, Setia (chair), Shehu, Simon, Sood, Stavrou, Tecuci, Wechsler, Wijesekera

#### Associate Professors

Ammann, Domeniconi, Duric, Gingold, Li, Lien, Lin, Maddox, Richards, Snyder, P. Wang, X. Wang, White, Zhong

#### Assistant Professors

Alnifie, Baldimtsi, Bell, Cheng, Deng, Dimitriadis, Gonzalez Hernandez, Gordon, LaToza, Osterweil, Pathak, Soundararajan, Yu

#### Instructors

Andrea, Avramovic, Neary, Otten, Russell

#### Adjunct Professors

Abu Jbara, Barlow, Batarseh, Conroy, Curts, Dubey, Ellis, Fielding, Geldon, Greensberg, Greenwald, He, Kaznachev, King, Kodali, Kowalski, McDowall, Nidiffer, Nordstrom, Olimpiew, Pettit, Reep, Smith, Wheeler

### Emeritus Faculty

Baum, DeJong, Gomaa, Hamburger, Rine, Sibley

## Programs

- Applied Computer Science, BS
- Computer Science Minor
- Computer Science Undergraduate Certificate
- Computer Science, BS
- Computer Science, MS
- Computer Science, PhD
- Information Security and Assurance Graduate Certificate
- Information Security and Assurance, MS
- Information Systems, MS
- Software Engineering Graduate Certificate
- Software Engineering Minor
- Software Engineering, MS