

# DEPARTMENT OF INFORMATION SCIENCES AND TECHNOLOGY

Phone: 703-993-3565  
Website: [ist.gmu.edu](http://ist.gmu.edu)

Information Sciences and Technology offers undergraduate and graduate programs to develop expertise in applying information technology to support business applications. The programs emphasize problem-solving, communication, technical, and leadership skills.

## Undergraduate

The BS in Information Technology program aims to meet the existing and emerging needs of industry by educating students in current principles and practices in the application of information technology. The program focuses on equipping graduates with effective skills for interacting at the management level as well as the technical level. Graduates are hired in positions that focus on the application of IT in an increasing number of emerging sub-disciplines, including network administration and telecommunications, information security, web development and multimedia, database technology and programming, and health information technology.

## Graduate

The MS in Applied Information Technology is the very best graduate education in IT for high-potential leaders, especially those working on IT solutions that affect the federal government, industry or non-profit. Its objective is to graduate individuals of competence and character who can lead multidisciplinary teams in the design, justification, development, management, and sustainment of mega-systems from data to decision in the private and federal sectors. The MS in AIT provides a high quality curricula for students seeking to pursue their careers in the leading IT areas including Cyber Security, Big Data Analytics, Knowledge Mining, Data Analytics in Social Media, and Cyber-Human Interaction.

At the doctoral level, the department offers a concentration in the Volgenau School's PhD in IT program.

Duan, Eberhardt, Fennell, Fowler, Freas, Gardner, Gebriel, Hemayati, Holcomb, Holdener, Hogue, Hope, Horton, Howard, Ibar, Jalinous, Kabli, Kapfer, Karkehabadi, Leary, Lillie, Lord, Maddox, Mahmood, Mallampati, McCallam, McKeon, McLaughlin, Michak, Murray, Nachawati, Narber, Ngac, Otto, Padigala, Pan, Pavlenko, Phung, Pollard, Porter, Powers, Radcliffe, Rasheed, Reo, Rezazad, Richard, Risi, Sarafaraz, Schweinsberg, Shah, Sniegowski, Sharp, Tofighi, Uyar, Varghese, Zhang, Zimmerman

## Programs

- Applied Cyber Security Graduate Certificate
- Applied Information Technology, MS
- Digital Media and Web Design Minor (VSE)
- Information Sciences Graduate Certificate
- Information Technology Minor
- Information Technology Undergraduate Certificate
- Information Technology, BS

## Faculty

### Faculty

#### Professors

Caraballo, Gantz (Retired Emeritus), Jajodia

#### Associate Professors

Albanese, Boicu, Bruno, Ceesay, Foxwell, Islam (Associate Chair for Undergraduate Studies), Johri, Rytikova (Associate Chair for Graduate Studies), Sanghera, Snow, Sun, Uzuner, Wang

#### Assistant Professors

Ahmadi, Bono, Hashmi, Morikawa, Motti, Park, Purohit, Rafatirad, Shuman, Winston, Zhao

#### Instructors

Farrell, Garrison, Lyons

#### Adjunct Professors

Abu Jbara, Agbariah, Akhtari, Almeida, Azamy, Bondra, Brown, Bucci, Burke, Butu, Caldwell, Chandramouli, Curts, Darquea, Doyle,