Applied Information Technology (M.S.)

Master of Science
http://ist.gmu.edu
Phone: 703-993-3565, msait@gmu.edu

Program Overview

Mason Engineering offers an innovative Master of Science in Applied Information Technology, through the Department of Information Sciences and Technology. The program leverages scholarship, academic research, and industry best practices, processes, and methodologies in the areas of information technology (IT), including Cyber Security, Big Data Analytics and Intelligence Methods and Cyber-Human Systems.

The MS in AIT provides the best graduate education in IT for high-potential leaders, especially those working on IT solutions that affect the federal government, industry or non-profits. 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 curriculum 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.

Faculty include professors from the Volgenau School, School of Business, and College of Humanities and Social Sciences, plus industry leaders with unique reputations in the subject area as adjunct professors and guest lecturers. This highly credentialed team takes students beyond theory and exposes them to practical day-to-day IT issues.

Leading area employers provided guidance during the development of the program curriculum and continue their engagement with the program as members of the Department's Board of Advisors.

Program Requirements

The MS in AIT requires 30 credits from 10 courses; 4 core courses (12 credits) and at least 6 courses for a chosen concentration area (minimum of 18 credits).
Program courses include:
- Seminar in Emerging Technologies
- Financial Decision-Making in the Federal Sector
- Developing IT Leaders of Integrity
- Managing IT in the Federal Sector
- Information Systems Analysis and Design
- Emerging Cyber Security
- Leading Change in IT Organizations
- Financial Decision-Making in the Federal Sector
- Managing IT in the Federal Sector

Distance Education access is available for some courses. Refer to our website for the latest detailed information. Graduate Certificate degree programs are also offered.

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Admission Requirements

In addition to meeting general university admissions requirements, program applicants must have completed a baccalaureate degree from a regionally-accredited program with a reputation for high academic standards and have typically earned a GPA of 3.00 or better in the last 60 credits of that degree. They must be experienced in the fundamentals of information technology.

Required application materials include:
- Online application and non-refundable fee
- Transcripts showing all post-secondary study
- Professional and Educational Goals Statement
- Two letters of recommendation from professors or senior officials at place of employment
- Resume

Applicants may request an interview. Please call 703-993-3565 to schedule a meeting.

Additional application materials, including English proficiency examination scores (e.g., TOEFL, IELTS), are required if the applicant holds a degree from an international institution and/or requires an F-1 or J-1 visa. Visit http://admissions.gmu.edu/grad/ for details.

Special admission programs are available for Volgenau School students and alumni.

Visit our website for details: http://ist.gmu.edu
Apply online: http://admissions.gmu.edu/grad/applynow/