## UMW-VSE/Mason Pre-Master's Program
## Applied Information Technology, MS

The MS in Applied Information Technology (AIT) prepares graduates to serve the IT needs of the federal government, industry or the non-profit sector, leading multidisciplinary teams in the design, justification, development, management, and sustainment of mega-systems from data to decision in the private and federal sectors. Graduates work in cybersecurity, big data analytics, knowledge mining, data analytics in social media, and cyber-human interaction. Students focus on the pragmatic issues of IT.

**Benefits of enrolling:**
The UMW-VSE/Mason Pre-Master's Program allows UMW students to earn up to nine credit hours of selected George Mason University (Mason) graduate courses for credit toward their UMW undergraduate degrees.  UMW students subsequently admitted to the VSE/Mason MS in Applied Information Technology program may then apply those same graduate credit hours toward their MS. Students are referred to the following VSE/Mason program links for full information: volgenau.gmu.edu and catalog.gmu.edu/colleges-schools/engineering/.

**Program eligibility:**
UMW students entering the UMW-VSE/Mason Pre-MS Program in AIT have completed 90 credit hours toward their UMW undergraduate degrees in math, computer science, or a physical science, with a cumulative GPA ≥ 3.30 in their major.

**Getting started:**
Students begin the application process through the UMW Assistant Dean of Arts and Sciences. Students are encouraged to meet with the Assistant Dean at the start of their junior year to plan their UMW curriculum for admission to the Pre-MS Program.

**VSE/Mason courses:**
The following UMW-VSE/Mason Pre-MS Program courses are eligible for undergraduate credit at UMW and for subsequent credit toward the VSE/Mason MS in Applied Information Technology.
- AIT 512 – Algorithms and Data Structures Essentials (3 credit hours)
  - Required UMW prerequisite:  CPSC 340 (grade of B- or better)
- AIT 524 – Database Management Systems (3 credit hours)
  - Required UMW prerequisite:  CPSC 350 (grade of B- or better)
- AIT 542 – Fundamentals of Computing Platforms (3 credit hours)
  - Required UMW prerequisite:  CPSC 405 and CPSC 414 (grade of B- or better)

*****Typically, graduate courses are offered with a start time of either 4:30pm or 7:20 pm*****

**For VSE graduate programs tuition and fees, visit**: https://studentaccounts.gmu.edu/tuition-fees/