Master of Professional Studies in Information Sciences

The 33-credit Master of Professional Studies in Information Sciences (MPS in IS) online degree program is designed for professionals and organizational leaders who want to take on greater responsibilities related to information technology, and for those who want to transition into a career that uses information sciences to support decision making.

The Cybersecurity and Information Assurance (CIA) option focuses on information analysis, security analytics, cyber security, information assurance, and decision support. Graduates in the CIA option can work in fields including intelligence analysis, information assurance engineering, and systems integration.

Intercollege Master of Professional Studies in Homeland Security

Cyber threats and cybersecurity are increasingly critical areas of focus for the U.S. government, with the Department of Homeland Security serving as the coordinating agency. If you are a computer and information systems specialist looking to advance your career, or to move into the government or private sector supporting government initiatives, the Information Security and Forensics (ISF) option in the Intercollege Master of Professional Studies in Homeland Security (iMPS in HLS/ISF) will help you achieve your goals.

The 33-credit iMPS in ISF option includes core courses that build an understanding of the theories, skills, and technologies associated with network security, cyber threat defense and forensics, intelligence analysis, risk assessment, security policy development, and privacy protection and assurance.
Master of Professional Studies in Enterprise Architecture

Enterprise architecture (EA) is the process of translating business vision and strategy into effective enterprise change by creating, communicating, and improving the key requirements, principles, and models that describe the enterprise’s future state and enable its evolution and transformation. The goals of EA are to improve organizational efficiency, effectiveness, and agility by delivering business-aligned enterprise systems.

The 36-credit Master of Professional Studies in EA online degree program offers you a comprehensive education in the principles and practices of EA by integrating strategic, business, and technology planning methods in order to understand, analyze, justify, and communicate business solutions.

Postbaccalaureate Certificate in Information Systems Security

The 15-credit interdisciplinary Postbaccalaureate Certificate in Information Systems Security (ISSEC) provides a solid graduate-level education for mid- to high-level information technology professionals in all industry sectors who desire to strengthen their knowledge and skills in information security and information security management. Courses earned in the certificate may be applied to the MPS programs.

Graduate Certificate in Enterprise Architecture

The 9-credit Graduate Certificate in Enterprise Architecture (ENTARC) introduces you to the role of an enterprise architect in strategic-, business-, and technology-planning methods and teaches you how to understand, analyze, justify, and communicate the solution of enterprise architecture problems in your current work experience. You can obtain the ENTARC as a stand-alone certificate or as your first step to completing the MPS in EA. As you earn your certificate online, you can continue working in your current position, and begin applying what you’re learning immediately.

“You have labs online, and you work with a simulated computer. You work with the hacking tools and the simulated computer to diagnose issues on the computer or server. It is great experience, and as far as I know, Penn State World Campus is one of the only online programs to offer this experience.”

— LT. Bryan Miller
Graduate, iMPS in Homeland Security

Industry Highlights

- occupations in homeland security and homeland defense continue to grow in both the federal government and private sector
- retirements and turnover are expected to create a significant number of job opportunities with federal agencies
- across all federal agencies, demand for workers is strongest in law enforcement, information security, and public health

Information from U.S. Bureau of Labor Statistics