

Educating ICT Leaders

MS in Information Systems Engineering and Management (ISEM)

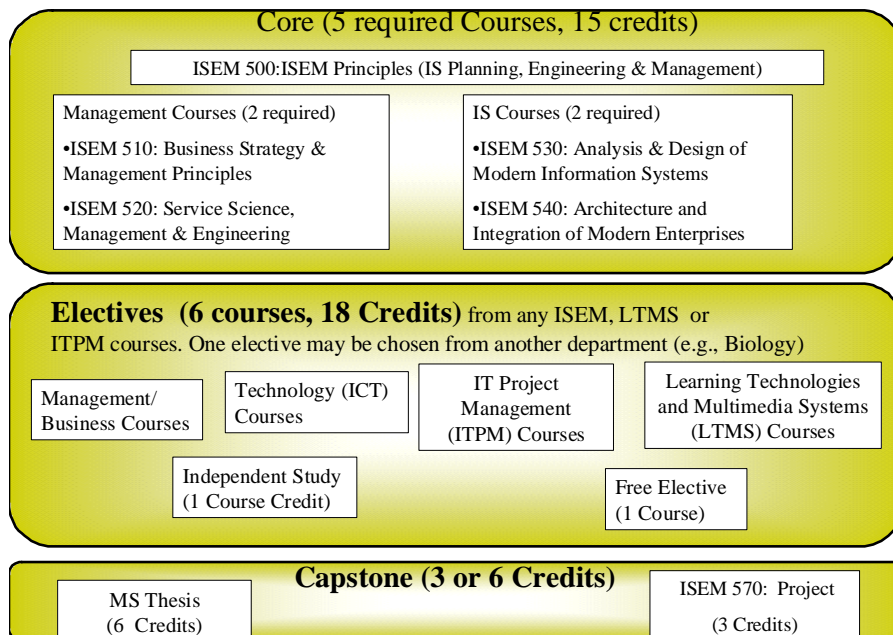
Harrisburg University of Science and Technology

Master of Science (MS) in Information Systems Engineering and Management (ISEM) degree is a unique interdisciplinary program that combines systems thinking, management expertise, and engineering. This degree program is intended to educate ICT (information and communication technology) leaders who can manage, as well as engineer/re-engineer, the current, and next, generation of digital enterprises.

The ISEM program is designed to provide in-depth instruction in core, interdisciplinary competencies in information systems engineering and management, as well as allow maximum flexibility for the student to pursue specific and individual areas of interest. The core courses of the program will provide the student with a strong background in the most recent thinking in systems engineering, strategic IS planning, business strategy and management, service science and management, systems analysis and design, and enterprise architectures and integration.

The student can take elective courses in project management, learning technologies and multimedia systems, management and business, and information and communication technologies. These courses span topics such as leadership, financial aspects of systems, e-government, mobile computing and wireless communications, ICT infrastructure, business simulations and games, multimedia systems and visualization, information security and governance, business process modeling, modern systems development, and others. In addition, research-oriented students can pursue independent studies and master's thesis projects to investigate areas of individual or professional interest.

An experiential project course serves as the required capstone of the program with emphasis on computer aided consulting. An undergraduate degree in business, engineering or sciences and basic fluency in ICT is required to enter this program.



For Additional Information: please send email to Dr. Amjad Umar (umar@harrisburgu.edu), indicate "ISEM" in subject heading.