

Graduate Certificate: Information Technology Management (16 s.h.)

MGT 5780 Project Management Practices 3 s.h.

Prerequisites: CIS 5580 and BR 5170, waived by examination only. The foundation of project management from a managerial point of view. Emphasis is placed on managing each stage of the project life cycle through an overview of the ten knowledge areas of project management. The capstone research project will begin with an introduction to the meta-analysis methodology.

MIS 5640 e-Business & e-Commerce in the Enterprise 3 s.h.

Prerequisite: MIS 5580 or equivalent or CS/IS degree. A detailed review and investigation of establishing, developing, and managing Web strategy in the e-Commerce and e-Business arena. A study of the critical elements essential to successful Web site implementation and management. Applying the systems approach to examine some of the radically new business models emerging from Web based businesses.

MIS 6250 Advanced Database Concepts 3 s.h.

Prerequisite: MGT 6300. Students explore the concepts of active databases using both the relational and the object-oriented database model. The Object Oriented (OO) model introduced through an explanation of the shortcomings of the relational database model. Issues involved in transaction processing will also be discussed.

MIS 6400 Data Communications and Networking 2 s.h.

Prerequisite: MIS 5580 or CIS/MIS/CS bachelor's degree, and MGT 6300. Development of a managerial level of technical knowledge and terminology for data, voice, image, and video communications and computer networks to effectively communicate with technical, operational, and management people in telecommunications. Investigation of the concepts, models, architectures, protocols, standards, and security for the design, implementation, and management of digital networks.

MIS 6840 Re-designing the Enterprise for e-Business 2 s.h.

Prerequisite: MIS 5640. Investigating and applying e-business and enterprise resource planning (ERP) concepts and methods at both the enterprise and supply chain level to take advantage of internet connectivity. Application of ERP software to develop and implement new business models to effect the change.

MIS 6890 Managing Enterprise Information Systems 3 s.h.

Prerequisites: MIS 5580 or MIS undergrad degree, MGT 6300 & BL 6040. This is a capstone course, all required ITM courses must be completed. Exploration of the Information Systems (IS) role in transforming organizations and industries. Emphasizes the integrative role of information systems and resources addressing three areas of integration: integrating the enterprise, integrating the IS function, and integrating IS technologies. Addresses both the internal and external IS needs of the organization.