

INFORMATION TECHNOLOGY MANAGEMENT (ITM)

ITM 700 | Communication for IT Professionals | 3 cr

Focuses on developing organizational communication skills for IT professionals. Includes crucial conversations, evidence-based decision making, and change management strategies for organizational transformation. Emphasizes the development of organizational and interpersonal communication skills relating to cultural sensitivity, diversity, and ethical issues in the IT field.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 705 | Leading the IT Function | 3 cr

Focuses on the application of management and leadership theories, students will explore their own personal assets and liabilities to become an effective leader and change agent in a complex adaptive system. Introduces strategic planning processes, as well as IT governance and ethical considerations.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 710 | Finance for IT Managers | 3 cr

Frames financial decisions within general and project accounting principles. Includes pro forma financial statements, time value of money, cash flows and equivalence, depreciation, net present value, rate of return, and ratio analysis. Covers preparing budgets that prioritize projects within constraints, address uncertainty and intangibles, and integrate with project scheduling.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 715 | Data Science | 3 cr

Addresses issues for developing, managing and supporting data-driven decision-making in the organization. Includes data analytics, data warehousing, machine learning, and artificial intelligence, as well as the ethical collection, use, and application of data.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 720 | Cloud Computing and Enterprise Applications | 3 cr

Examines leveraging cloud services to streamline computing resources, deploy enterprise applications, improve user access and system reliability, and utilize advanced computing capabilities. Discusses implementation of innovative technologies. Examines services available, along with deployment strategies, evaluation criteria, economic justification, and manageability.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 725 | Enterprise Security | 3 cr

Explores technical, administrative, and physical aspects of IT security. Investigates various threats within IT and fraud. Applies information classification to the design of information, network and physical security. Evaluates the business processes of risk, business continuity, audit, and the risk within software development.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 730 | Agile and Traditional IT Project Management | 3 cr

Examines project management concepts as applied to IT projects; covers traditional PMBOK techniques such as project identification, selection, procurement, and cost/schedule preparation and monitoring. Introduces agile IT project management concepts including Scrum and Extreme Programming. Requires students to apply these concepts to group projects.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 735 | Business Analysis and System Development | 3 cr

Focuses on the importance, role, and techniques of the business analysis function in the modern IT organization. Organized around the six knowledge areas and associated techniques of the Business Analysis Body of Knowledge (BABOK) specified by the International Institute of Business Analysis.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 740 | IT Operations | 3 cr

Explores best practices and techniques for managing IT infrastructure and operational environments in support of the organization's strategic goals in the development and deployment of applications and services. Includes network infrastructure, servers and devices, computer operations, service management, facilities, help desk services, DevOps, process automation, and governance frameworks.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 745 | IT Governance, Ethics, and Regulatory Compliance | 3 cr

This course examines best practices in IT governance to achieve regulatory compliance, optimize use of available resources, ensure trustworthiness of enterprise information, and support business strategies and objectives. Topics include: strategic alignment, IT service and control frameworks, portfolio management, IT risk management, and ethical issues in IT governance.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 750 | Evaluation of Emerging Technologies | 3 cr

This seminar course researches, identifies and evaluates significant new trends, technologies and events influencing the global environment of information technology and systems. The course will evaluate future and disruptive technologies, strategies for successful implementation of innovative technologies, critical thinking, and ethics pertaining to its use.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 754 | ITM Capstone Preparation | 1 cr

Students select their capstone project, create a plan, define deliverables, secure approval and complete setup of their development environment. Students review concepts necessary for completion of the capstone including Agile project management, systems analysis and communicating with technical and non-technical audiences. Additional topics may be included.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.

ITM 755 | ITM Capstone | 3 cr

Students complete the projects approved in the Capstone Preparation course. This course includes the management, development and delivery of an information technology project to a client or employer, including regular communication of status to both technical and non-technical audiences.

Prerequisites: Admitted MS-ITM degree seeking students only or program advisor consent on space available basis.

Offered: Yearly.