EXECUTIVE MASTER OF SCIENCE/INFORMATION TECHNOLOGY (EMIT)

Executive MS Information Technology Graduate Courses

EMIT 8000 MANAGING & LEADING IN A DIGITAL WORLD (2 credits)
This course introduces Executive Master of Science in Information Technology (EMIT) students to the challenges and opportunities of managing and leading in a digital world within the context of a dynamic environment of technology workforce diversity, a global and emerging collaborative economy, and concern for ethics and social responsibility in the development of systems/technologies.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8050 IT LEADERSHIP (2 credits)
This course equips students with the knowledge, skills and tools to be an effective information technology (IT) leader. The primary focus of the course is on developing leadership capability and ability to contribute, both strategically and operationally, to the performance of an organization through IT.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8100 IT STRATEGY AND CHANGE MANAGEMENT (2 credits)
This course introduces students to a critical view of both strategic and tactical levels of IT management. The course also addresses the challenges of managing IT-enabled change and the complexities associated with managing people, processes, and technology.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program is required. Not open to non-degree graduate students.

EMIT 8150 BIG DATA ANALYTICS AND VIZUALIZATION (2 credits)
This course introduces students to data analytics including big data analytics, data quality, and visualization. Topics will include concepts, exercises, tools and techniques surrounding data analytics, quality, visualization, IoT and cloud computing within the context of addressing business challenges and/or to create competitive advantage.
Prerequisite(s): This course is intended exclusively for IT professionals in the EMIT program. Not open to non-degree graduate students.

EMIT 8200 MANAGING INFORMATION TECHNOLOGY INNOVATION (2 credits)
This course introduces students to the concepts, applications and tools for facilitating IT Innovation, Creativity, Entrepreneurship and Risk Taking.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8250 MANAGING INFORMATION ASSURANCE (2 credits)
This course introduces Executive Master of Science in Information Technology (EMIT) students to information assurance topics including areas such as managing cloud and mobile security, IT governance and policy, and information assurance planning and deployment.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8300 SYSTEMS DEVELOPMENT AND MAINTENANCE (2 credits)
This course introduces Executive Master of Science in Information Technology (EMIT) students to the development and maintenance of software-intensive systems.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8350 ENTERPRISE COMPUTING IN THE ERA OF BIG DATA (2 credits)
This course explores design, managerial and technical issues relevant to creating big data based solutions from a holistic viewpoint. Students will develop an understanding of both the technical and business aspects by exploring a balanced view of the theoretical foundation and practical implications of Enterprise Computing in the context of Big Data and other related (emerging) technologies.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8400 LEADING TEAMS AND MANAGING VIRTUAL WORK (2 credits)
This course introduces students in the Executive Master of Science in Information Technology (EMIT) program to fundamental concepts, principles, theories, and practices related to organizational teamwork. Students will learn and practice skills to run productive & effective collaborative problem solving efforts, using modern collaboration technology.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8450 EVALUATION OF ENTERPRISE I.T. (2 credits)
This course introduces students to concepts associated with evaluation of enterprise IT investments. Topics addressed will include understanding financial statements, IT investment value vs risk tradeoffs, understanding cost of adopting IT innovations and/or emerging technologies, designing reports, designing of IT-KPIs, performance measurement systems such as balanced scorecard and more.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8500 MANAGING AND LEVERAGING EMERGING TECHNOLOGIES (2 credits)
This course introduces Executive Master of Science in Information Technology (EMIT) students to industry models and processes to identify, track, pilot and eventually adopt business innovations and/or emerging technologies that could provide an advantage for a business. Students will also learn how IT can facilitate business process change. Concepts and exercises surrounding Lean IT will be covered to optimize the processes in the IT organization.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8700 EMERGING CHALLENGES FOR IT EXECUTIVES (2 credits)
This course introduces Executive Master of Science in Information Technology (EMIT) students to emerging challenges that will be faced by IT executives.
Prerequisite(s): Admission to the executive Master of Science in IT (EMIT) program. Not open to non-degree graduate students.

EMIT 8990 INTEGRATED EMIT CAPSTONE PROJECT (2 credits)
This course serves as the integrated capstone project for the Executive Master's of Science in Information Technology (EMIT) program.
Prerequisite(s): Admission to the Executive Master's of Science in IT (EMIT) program and completion of all cohort modules prior to submission of integrated project. Concurrent enrollment with other EMIT modules will be required. Not open to non-degree graduate students.