INFORMATION TECHNOLOGY, EXECUTIVE MS

College of Information Science & Technology

At this time new graduate students are not being accepted into the EMIT program. This moratorium will be in effect for the 2023-2024 academic year (but may extend beyond that time). Please contact Dr. Deepak Khazanchi (khazanchi@unomaha.edu) for additional details.

Vision Statement

The vision of the Executive Masters in Information Technology (EMIT) program is to provide flexible, innovative and technologically current education to rising IT professionals who want to prepare for corporate leadership positions through their functional expertise. The EMIT program brings together leaders in the IT field and world class instruction from the College of IS&T, other units at UNO, international university partners and local businesses. This accelerated graduate program is designed to be completed in 12-months in a cohort fashion using instructional modules delivered on every alternative Saturday.

Program Contact Information

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Program Website (http://www.unomaha.edu/college-of-information-science-and-technology/executive-masters-it/**)**

Admissions

General Application Requirements and Admission Criteria (http://catalog.unomaha.edu/graduate/admission/)

Program-Specific Requirements
Application Deadlines (Fall 2024)

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Other Requirements

- **English Language Proficiency:** Applicants are required to have a command of oral and written English. Those who do not hold a baccalaureate or other advanced degree from the United States, **OR** a baccalaureate or other advanced degree from a predetermined country on the waiver list (https://www.unomaha.edu/graduate-studies/prospective-students/Proof%20of%20English%20Proficiency-%20International.pdf), must meet the minimum language proficiency score requirement in order to be considered for admission10Internet-based TOEFL: 80, IELTS: 6.5, PTE: 53, Duolingo: 105
  - The TOEFL or IELTS scores are valid for two years. Your TOEFL or IELTS score must be valid when you submit your application.
- **Statement of Purpose:** Through your resume, we have a clear sense of your professional path to date. Please respond to the following question in a statement of purpose (maximum 500 words): What are your career goals going forward, and how will the UNO EMIT program help you achieve them?

- **Resume:** A two page (maximum) abbreviated resume highlighting the candidate's key education and IT related experience is required. This will need to be uploaded with the application.
- **Employer Sponsorship:** Applicants to the EMIT program are required — regardless of the level of financial support from their employer — to submit a signed sponsorship letter from an authorized representative of their organization, briefly stating the terms of support. Financial sponsorship is not required, but the organization must agree to keep the applicant's travel time to a minimum and completely release him or her from all job responsibilities on class days. Sponsorship letters must be uploaded into the online application system. Independent professionals or consultants and applicants who head their own firms are eligible, though these applicants will have to write their own sponsorship letters.
- **Supplemental Questions:**

  - **Essay 1:** UNO's Executive MS in Information Technology (EMIT) program will challenge you by offering a rigorous and innovative academic experience and the opportunity to immediately apply what you learn to your career. How will you approach balancing the demands of the program with your professional and personal life while you are in school? (Maximum 250 words)
  - **Essay 2:** What is your immediate post-EMIT professional goal? (Maximum 50 characters)
    - Examples of possible responses:
      - "Work as CTO for an insurance company."
      - "Join an IT consulting firm."
      - "Launch a new technology start-up."
- **Interview:** Interviews are required for admission to the EMIT program. Once your online application is complete and under review, you may be contacted by a member of the Admissions Office and/or the Director of the EMIT Program to schedule an on-campus or Skype interview. Please keep in mind interviews are by invitation only.

Degree Requirements
Fall 2023 Requirements

The EMIT curriculum includes course modules on topics that address the following major themes; globalization; data analytics & visualization; information assurance; IT leadership; distributed project management; and IT infrastructure and emerging technologies. Students will take the coursework in the same sequence and as a cohort. Classes will be offered in a variety of flexible and hybrid formats, including on the UNO campus, online via the internet, and in partner locations (when applicable).

Code	Title	Credits
EMIT 8000	MANAGING & LEADING IN A DIGITAL WORLD	2
EMIT 8050	IT LEADERSHIP	2
EMIT 8100	I.T. STRATEGY AND CHANGE MANAGEMENT	2
EMIT 8150	BIG DATA ANALYTICS AND VIZUALIZATION	2
EMIT 8200	MANAGING INFORMATION TECHNOLOGY INNOVATION	2
EMIT 8250	MANAGING INFORMATION ASSURANCE	2
EMIT 8300	SYSTEMS DEVELOPMENT AND MAINTENANCE	2
EMIT 8350	ENTERPRISE COMPUTING IN THE ERA OF BIG DATA	2
EMIT 8400	LEADING TEAMS AND MANAGING VIRTUAL WORK	2
EMIT 8450	EVALUATION OF ENTERPRISE I.T.	2

EMIT 8500	MANAGING AND LEVERAGING EMERGING TECHNOLOGIES	2
EMIT 8700	EMERGING CHALLENGES FOR I.T. EXECUTIVES	2
EMIT 8990	INTEGRATED EMIT CAPSTONE PROJECT (Must complete a total of 6 hours of EMIT 8990)	2
Total Credits		**30**

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.