

Master of Science in Information Technology Course Flowchart (2023-2024)

Note: 1) the course in () are the prerequisites; 2) courses without () means no prerequisites

Foundation Courses (if required)

IT 5413:
Software Design
& Development

IT 5443: Web Technologies
& App. Dev.
(IT 5413)

IT 5433:
Databases: Design
& Apps

IT 5423: Computer
Networks & System
Admin.

Required Courses

IT 6203: IT
Design Studio
(IT 5433 & IT 5443)

IT 6423: IT System
Acquisition & Integration
(IT 5413 or IT 5433)

IT 6413: IT Service
Delivery
(IT 5423 or concurrent)

IT 6823: Info. Sec.
Concepts & Admin.
(IT 5423)

Program Options

IT 7993: IT Capstone
(IT 6203 & at least two of: IT 6413, IT 6423, & IT 6823) OR IT 7999: Thesis
(Permission of Program Director)

Data Analytics & Intelligent Technology

IT 7103: Practical
Data Analysis

IT 7113: Data
Visualization
(IT 5433)

IT 7123: Business
Intelligence
(IT 5433)

IT 7133:
Enterprise AI
Applications

IT 7143: Cloud
Analytics
Technology

IT Security

IT 7303: Data
Privacy Technology
(IT 6823)

IT 7313: Physical IT
Systems Security
(IT 6823)

IT 7323: Computer
Forensics (IT 6823)

IT 7333: Wireless
and Cloud Security
(IT 6823)

IT 7343: Ethical
Hacking
(IT 6823)

Health IT

IT 7503:
Foundations of HIT

IT 7513: EHR
Systems
(IT 7503)

IT 7523: Clinical
Processes &
Workflows
(IT 7503)

IT 7533: Health Info.
Security
(IT 7503)

Enterprise IT Management

IT 7703: Policy and
Law
(IT 6413 or IT 6423)

IT 7713: Management
of IT

IT 7723: IT Strategy

IT 7733: Fund. Of
Enterprise Cloud
(IT 6413)

IT 7743: Database
Administration
(IT 5433)

Free Electives

CSE 7983
Graduate Internship

IT 7900
Special Topics

IT 7913 IT
Research Seminar

IT 7923 Advance Web
Development (IT 6203)