

**Graduate Courses in Information Technology and Management**

**The following courses are available to students seeking the Master of Information Technology and Management degree and/or Information Technology and Management Graduate Certificates:**

ITM 411 Intermediate Software Development •	ITM 548 System and Network Security
ITM 412 Advanced Structured and Systems Programming •	ITM 549 System and Network Security: Projects & Advanced Methods
ITM 421 Data Modeling and Applications •	ITM 551 Distributed Workstation System Administration
ITM 422 Advanced Database Management •	ITM 552 Client-Server System Administration
ITM 456 Introduction to Open Source Operating Systems	ITM 554 Operating System Virtualization
ITM 460 Fundamentals of Multimedia •	ITM 555 Intelligent Device Applications •
ITM 461 Internet Technologies & Web Design •	ITM 556 Intelligent Device Projects
ITM 492 Embedded Systems and Reconfigurable Logic Design	ITM 558 Operating System Security
ITM 495 Topics in Information Technology •	ITM 562 Web Site Application Development •
ITM 511 Application Development Methodologies •	ITM 563 Rich Internet Applications •
ITM 513 Open Source Programming •	ITM 564 Advanced Web Site Application Development •
ITM 515 Advanced Software Development •	ITM 565 Dynamic Web Page Development •
ITM 516 Software Testing and Maintenance •	ITM 566 XML Technologies & Service-Oriented Architectures •
ITM 518 Coding Security •	ITM 569 Topics in Application Development •
ITM 519 Topics in Software Development •	ITM 571 Project Management for Information Technology Management •
ITM 521 Client/Server Technologies and Applications •	ITM 572 Process Engineering for Information Technology Managers •
ITM 526 Data Warehousing •	ITM 573 Building and Leading Effective Teams •
ITM 527 Data Analytics •	ITM 574 Information Technology Management Frameworks •
ITM 528 Database Security •	ITM 575 Networking and Telecommunications Management •
ITM 529 Advanced Data Analytics •	ITM 576 Data Center Management •
ITM 531 Object-Oriented System Analysis, Modeling and Design •	ITM 578 Information System Security Management •
ITM 532 UML-Based Software Development •	ITM 579 Topics in Information Security •
ITM 533 Operating System Design Implementation •	ITM 581 IT Entrepreneurship •
ITM 534 Human/Computer Interaction •	ITM 582 Business Innovation •
ITM 535 Data Center Architecture •	ITM 585 Legal and Ethical Issues in Information Technology •
ITM 536 Parallel Computing Technologies •	ITM 586 Information Technology Auditing •
ITM 537 Instructional Technologies •	ITM 588 Incident Response, Disaster Recovery and Business Continuity •
ITM 538 Computer & Network Forensics	ITM 593 Embedded Systems
ITM 539 Stegnography •	ITM 594 Special Projects in Information Technology
ITM 540 Introduction to Data Networks & the Internet •	ITM 595 Topics in Information Technology •
ITM 541 Network Administration and Operations •	ITM 596 Graduate Honors Studies in Information
ITM 542 Wireless Technologies and Applications •	ITM 597 Special Problems in Information Technology •
ITM 543 Vulnerability Analysis and Control	
ITM 544 Cloud Computing Technologies •	
ITM 545 Telecommunications Technology •	
ITM 546 Telecommunications Over Data Networks •	
ITM 547 Telecommunications Over Data Networks: Projects & Advanced Methods	

Courses marked with a • may be offered on the Internet through distance learning with IITOnline.

**Undergraduate Courses in Information Technology and Management**

**The following courses are available to students seeking the Bachelor of Information Technology and Management degree:**

ITM 100 Introduction to the Profession  
 ITM 300 Communication in the Workplace  
 ITM 301 Introduction to Contemporary Operating Systems & Hardware I \*  
 ITM 302 Introduction to Contemporary Operating Systems II \*  
 ITM 311 Introduction to Software Development \*  
 ITM 312 Introduction to Systems Software Programming \*  
 ITM 411 Intermediate Object-Oriented Programming \*  
 ITM 412 Advanced Structured and Systems Programming  
 ITM 413 Open Source Programming  
 ITM 415 Advanced Software Development  
 ITM 419 Topics in Software Development  
 ITM 421 Data Modeling and Applications \*  
 ITM 422 Advanced Database Management  
 ITM 428 Database Security  
 ITM 440 Introduction to Data Networks and the Internet \*  
 ITM 441 Network Administration and Operations  
 ITM 448 System and Network Security \*  
 ITM 451 Distributed Workstation System Administration  
 ITM 452 Client-Server System Administration  
 ITM 454 Operating System Virtualization  
 ITM 455 Intelligent Device Applications  
 ITM 456 Introduction to Open Source Operating Systems  
 ITM 458 Operating System Security  
 ITM 460 Fundamentals of Multimedia  
 ITM 461 Internet Technologies & Web Design \*  
 ITM 462 Web Site Application Development  
 ITM 463 Internet Application Development  
 ITM 465 Rich Internet Applications  
 ITM 466 Service-Oriented Architectures  
 ITM 469 Topics in Application Development  
 ITM 471 Project Management for Information Technology Management \*  
 ITM 478 Information System Security Management  
 ITM 479 Topics in Information Security  
 ITM 491 Undergraduate Research  
 ITM 492 Embedded Systems and Reconfigurable Logic Design  
 ITM 495 Topics in Information Technology

\* Indicates courses required for the degree; all other courses are electives.

• Many courses in the Bachelor of Information Technology and Management degree are available online, but due to hands-on laboratory course requirements, the entire degree cannot be completed online.

The following graduate courses may be available to degree-seeking under-graduate students with approval of the course instructor and faculty adviser.

ITM 511 Application Development Methodologies  
 ITM 516 Software Testing and Maintenance  
 ITM 518 Coding Security  
 ITM 521 Client/ Server Technologies and Applications  
 ITM 526 Data Warehousing  
 ITM 527 Data Analytics  
 ITM 528 Database Security  
 ITM 529 Advanced Data Analytics  
 ITM 531 Object-Oriented System Analysis, Modeling and Design  
 ITM 532 UML-Based Software Development  
 ITM 533 Operating System Design Implementation  
 ITM 534 Human/Computer Interaction  
 ITM 535 Data Center Architecture  
 ITM 536 Parallel Computing Technologies  
 ITM 537 Instructional Technologies  
 ITM 538 Computer & Network Forensics  
 ITM 539 Stegnography  
 ITM 542 Wireless Technologies and Applications  
 ITM 543 Vulnerability Analysis and Control  
 ITM 545 Telecommunications Technology  
 ITM 546 Telecommunications Over Data Networks  
 ITM 547 Voice and Data Communications: Projects  
 ITM 549 System and Network Security: Projects & Advanced Methods  
 ITM 572 Process Engineering for Information Technology Managers  
 ITM 573 Building and Leading Effective Teams  
 ITM 574 Information Technology Management Frameworks  
 ITM 575 Networking and Telecommunications Management  
 ITM 576 Data Center Management  
 ITM 581 IT Entrepreneurship  
 ITM 582 Business Innovation  
 ITM 585 Legal and Ethical Issues in Information Technology  
 ITM 586 Information Technology Auditing  
 ITM 588 Incident Response, Disaster Recovery and Business Continuity  
 ITM 593 Embedded Systems  
 ITM 595 Topics in Information Technology  
 ITM 597 Special Problems in Information Technology

**About Illinois Institute of Technology's School of Applied Technology**

Illinois Institute of Technology's School of Applied Technology offers hands-on, project-based technology-oriented education and training for both full-time students and working professionals. Courses are taught by IIT professors and industry professionals with significant working, teaching and research experience in their fields. The School of Applied Technology offers degree, non-degree, certificate, credit, non-credit programs, corporate training, short courses and seminars ranging from a few hours to several days in length. Both Bachelors and Masters Degrees are offered in Information Technology & Management and Industrial Technology & Management, as well as Undergraduate Certificates in Industrial Technology & Management, Graduate Certificates in Information Technology & Management topics and adult education/CEU courses in all fields. Our Information Technology & Management curriculum is supported by extensive dedicated laboratory facilities.

Illinois Institute of Technology is a private, Ph.D. granting university founded in Chicago in 1890, offering programs in engineering, science, technology, architecture, design, psychology, public administration, technical communication, business and law.