
Summary of the ITM Data Management and MIS Specializations as of 7/12/16

Data Management (*undergraduate*)

Focuses on the design, development and administration of traditional and Internet-based data management.

ITMD 421 Data Modeling and Applications (required of all undergrads)

ITMD 422 Advanced Database Management

ITMS 428 Database Security

AND any two of the following:

ITMO 444 Cloud Computing Technologies

OR any ITMD elective(s)

Data Management (21 hours) (*graduate*)

Required courses (15 hours)

ITMD 523 Advanced Topics in Data Management

ITMD 526 Data Warehousing

ITMD 527 Data Analytics

ITMS 528 Database Security

ITMT 531 Object Oriented System Analysis, Modeling and Design

AND 6 hours from the following:

ITMD 521 Client Server Technologies & Applications

ITMD 525 Topics in Data Science and Management

ITMD 529 Advanced Data Analytics

ITMD 566 Service-Oriented Architectures

ITMO 557 Storage Technologies

ITMM 574 Information Technology Management Frameworks

ITMS 578 Cyber Security Management

Management Information Systems (21 hours) (*graduate*)

Required courses (12 hours)

ITMD 521 Client Server Technologies & Applications

ITMD 523 Advanced Topics in Data Management

ITMD 566 Service-Oriented Architectures

ITMM 574 Information Technology Management Frameworks

AND 6 hours from the following:

ITMT 531 Object Oriented System Analysis, Modeling and Design

ITMM 572 Process Engineering for Information Technology Managers

ITMM 586 Information Technology Auditing

ITMO 554 Operating System Virtualization

AND 3 hours from the following:

ITMD 525 Topics in Data Science and Management

ITMD 526 Data Warehousing

ITMD 527 Data Analytics

ITMD 529 Advanced Data Analytics

ITMD 532 UML Based Software Development

ITMO 544 Cloud Computing Technologies

ITMO 557 Storage Technologies

ITMM 537 Service Level Agreements

ITMS 528 Database Security

INTM 522 Computers in Industry

TECH 565 Introduction to Social Commerce

TECH 581 Consulting for Technical Professionals