CS Course to ITM Translation

CS 445 Object Oriented Design and Programming

CS 456 Introduction to Wireless Networks and Performance

CS 482 Information and Knowledge Management Systems

CS 450 Operating Systems

CD 455 Data Communications

CS 487 Software Engineering I

CS 115 Object-Oriented Programming	ITM 311 Introduction to Software Development
& 116	
CS 201 Accelerated Introduction to Computer S	cience ITM 311 Introduction to Software Development
CS 331 Data Structures and Algorithms	ITM 313 Introduction to Open Source Application Development
CS 425 Database Organization	ITMD 421 Data Modeling and Applications
CS 445 Object Oriented Design and Programmii	g ITMD 411 Advanced Structured and Systems Programming
CD 455 Data Communications	ITMO 440 Introduction to Data Networks and the Internet
& 116	·
CS Courses transferable to ITM when changing CS 115 Object-Oriented Programming	ITM 311 Introduction to Software Development
	iones ITM 211 Introduction to Coffuers Development
CS 201 Accelerated Introduction to Computer S	•
CS 330 Discrete Structures	MATH 230 Introduction to Discrete Mathematics
CS 331 Data Structures and Algorithms	ITM 313 Introduction to Open Source Application Development
CS 340 Programming Paradigms and Patterns	ITMD Undergraduate Elective
CS 422 Data Mining	ITMD Undergraduate Elective
CS 425 Database Organization	ITMD Undergraduate Elective
CS 429 Information Retrieval	ITMD Undergraduate Elective
CS 440 Programming Languages and Translator	ITMD Undergraduate Elective
CS 442 Mobile Applications Development	ITMD 454 (Mac) or ITMD 455 (Android)

ITMD Undergraduate Elective

ITMO Undergraduate Elective

ITMO Undergraduate Elective

ITMO Undergraduate Elective

ITMD Undergraduate Elective

ITMD Undergraduate Elective

CS Courses that are acceptable substitutes for ITM graduate courses, transferable into an ITM graduate degree, or may be double-counted into ITM co-terminal graduate degree (up to 3)

or may be double counted into this co terminal graduate as	egree (up to 3)
CS 520 Data Integration, Warehousing, and Provenance	ITMD / Data Management Elective
CS 521 Object-Oriented Analysis and Design	ITMT 531 Object-Oriented System Analysis, Modeling, and Design
CS 522 Advanced Data Mining	ITMD / Data Management Elective
CS 525 Advanced Database Organization	ITMD 523 Advanced Database Management
CS 528 Data Privacy and Security	ITMS Elective
CS 542 Computer Networks I: Fundamentals	ITMO 540 Introduction to Data Networks and the Internet
CS 544 Computer Networks II: Network Services	ITMO / I.T. Infrastructure Elective
CS 547 Wireless Networking	ITMO 542 Wireless Technologies and Applications
CS 548 High-Speed Networks	ITMO / I.T. Infrastructure Elective
CS 549 Cryptography	ITMS Elective
CS 551 Operating System Design and Implementation	ITMT 533 Operating System Design Implementation
CS 553 Cloud Computing	ITMO 544 Cloud Computing Technologies
CS 556 Cyber-Physical Systems: Languages and Systems	ITMT 593 Embedded Systems
CS 558 Advanced Computer Security	ITMS Elective
CS 562 Virtual Machines	ITMO 554 Operating Systems Virtualization
CS 565 Computer Assisted Instruction	ITMT 537 Instructional Technologies
CS 578 Interactive and Transparent Machine Learning	ITMD / Data Management Elective
CS 579 Online Social Network Analysis	ITMT Elective
CS 582 Computational Robotics	ITMT Elective
CS 584 Machine Learning	ITMT Elective
CS 587 Software Project Management	ITMM Elective
CS 588 Advanced Software Engineering Development	ITMD 511 Application Development Methodologies
CS 589 Software Testing and Analysis	ITMD 536 Software Testing and Maintenance
ITM graduate students may not substitute a CS course for an	ITM course in those courses where an ITM course number is indicated

ITM graduate students may not substitute a CS course for an ITM course in those courses where an ITM course number is indicated.