

MSIT DISTANCE COURSE CATALOG *

Course Number	Course Title	Units	Prereq	Typically Offered *	CORE: IT Mgt	CORE: Info Sec	CORE: BI & DA	CORE: SW Des Mgt
95-703	Database Management	12		Fall, Spring	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
95-705	Telecommunications Management	12		Fall, Summer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
95-706	Object Oriented Analysis & Design	6	95-807 <u>or</u> 95-712	Fall M1	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
95-710	Economic Analysis	6		Summer M6			<input checked="" type="checkbox"/>	
95-715	Financial Accounting	6		Spring M3				
95-722	Digital Transformation	6		Spring M4				
95-730	E-Business Technology and Management	12	95-705 <u>and</u> knowledge of relational databases <u>and</u> OO programming. <i>(disregard any other prereqs listed in the online description)</i>	Fall	<input checked="" type="checkbox"/>			
95-737	NoSQL Database Management	6	95-703	Under dev for Summer 2017 M6				
95-744	Information Security Policy & Governance	6		Spring M4		<input checked="" type="checkbox"/>		
95-748	Software & Security	6	Some prior prog experience is recommended	Fall M1		<input checked="" type="checkbox"/>		
95-752	Intro to Info Security Management	12		Spring		<input checked="" type="checkbox"/>		
95-755	Information Security Risk Management I	6		Spring M3		<input checked="" type="checkbox"/>		
95-756	Information Security Risk Management II	6	95-755	Spring M4				
95-758	Network & Internet Security	12		Fall		<input checked="" type="checkbox"/>		

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Course Number	Course Title	Units	Prereq	Typically Offered *	CORE: IT Mgt	CORE: Info Sec	CORE: BI & DA	CORE: SW Des Mgt
95-760	Decision Making Under Uncertainty	6	95-796	Summer M6				
95-763	Intro to Human Computer Interaction	6		Summer M5				
95-771	Data Structures & Algorithms for Info Processing	12	95-807, 95-712 or equivalent OO prog exp	Spring (starting S17)				<input checked="" type="checkbox"/>
95-774	Business Process Modeling	6		Spring M3				
95-791	Data Mining	6	95-796 required; 94-842, 95-868 or R prog exp is HIGHLY recommended	Spring M4			<input checked="" type="checkbox"/>	
95-794	Tech Startup Tools and Techniques	6		Fall M2				
95-796	Statistics for IT Managers	6	None but see OLI for free, online refresher	Fall M1, Spring M3			<input checked="" type="checkbox"/>	
95-797	Data Warehousing	6	95-703	Summer M5			<input checked="" type="checkbox"/>	
95-799	Linux & Open Source	6	See online description for soft prereqs.	Fall M2				
95-807	Object Oriented Programming for IT Managers	12	Undergrad OO prog class or equivalent exp. Need refresher? Try free online 95-815 .	Spring, Summer-odd yrs	<input checked="" type="checkbox"/>			Automatic exemption based on admission prereqs
95-808	IT Project Management	6		Fall M2	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
95-831	Enterprise Architectures	6		Fall M1				
95-833	Global IT Management and Sourcing	12		Fall				
95-852	Applied Data Science	6	95-796, 95-791	Fall M1			<input checked="" type="checkbox"/>	
95-866	Advanced Business Analytics	6	95-796, 95-791	Fall M2			<input checked="" type="checkbox"/>	
95-868	Exploring & Visualizing Data in R	6	95-796 required; 94-842 or R prog exp suggested	Summer M5			<input checked="" type="checkbox"/>	

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Course Number	Course Title	Units	Prereq	Typically Offered *	CORE: IT Mgt	CORE: Info Sec	CORE: BI & DA	CORE: SW Des Mgt
95-872	Art & Science of Business Analytics	6	95-703, 95-796	Summer M6				
94-702	Professional Writing	6		Spring M4, Summer M5				
94-802	Geographic Information Systems	12		Summer				
94-806	Privacy in the Digital Age	6		Spring M4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
94-811	Strategy Development	6		Summer M6				
94-842	Programming R for Analytics	6	95-796	Fall M2				
91-869	Conflict Resolution	6	Very limited enrollment available for MSIT	TBA – usually Spring and Summer				
17-653	Managing Software Development	12	95-807 or 95-712, and software eng exp with large project, or undergrad course in software eng	Fall, Summer				<input checked="" type="checkbox"/>
17-655	Architectures for Software Systems	12	95-807 or 95-712, and software eng exp with a large project, or undergrad course in software eng	Spring				<input checked="" type="checkbox"/>
17-638	System Architecture for Managers <i>(Less programming-intensive version of 17-655; can't do both!)</i>	6	95-807 or 95-712, and software eng exp or undergrad course is recommended	Summer M5				
15-619	Cloud Computing	12	95-807 or 95-712, and knowledge of computer systems, programming and debugging, with a strong competency in Java or Python.	Spring				

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Heinz College MSIT DISTANCE Courses

PROJECTED Schedule - Effective January 2017

This **tentative, projected** schedule is **subject to change without notice**. It is intended for **Heinz College's MSIT part-time students** to draft a plan of study. Refer to the HUB's Schedule of Classes or the MSIT e-registration packet for the actual schedule of courses available for registration. **MSIT distance courses** are denoted with **course # 95-xxx or 94-xxx and Z in the section**. Any other course number listed below is provided by another department for which we have arranged permission for Heinz MSIT students to register. **All students will get waitlisted** and you must **signup at least 2 weeks prior to the semester** to ensure timely preparation for these classes.

NOTE TO RWANDA Campus-MSIT Students: You have permission to take a **maximum of 12 units of 95-xxx** online courses on a space-available basis while you are at the Rwanda campus. Put yourself on the waitlist at least 2 weeks before the semester begins and **do NOT contact the faculty** about getting cleared. The Heinz MSIT staff will take care of this according to our registration policies.

FALL (F17 and beyond) - late August to early December (includes mini 1,2)

95-705 Z Telecommunications Management
95-703 Z Database Management
95-730 Z E-business Technology & Management [Prereq: 95-705, 95-807, 95-703]
95-758 Z Network and Internet Security
95-833 Z Global IT Management & Sourcing
17-653 D Managing Software Development

FALL MINI-1 [late August to mid-October]

95706-Z1 Object-oriented Analy & Design [Prereq:95-807]
95796-Z1 Statistics for IT Managers
95831-Z1 Enterprise Architectures
95852-Z1 Applied Data Science [Prereq: 95-796, 95-791]
95748-Z1 Software and Security

FALL MINI-2 [mid-October to early December]

95794-Z2 Tech Startup: Tools & Techniques
95799-Z2 Linux & Open Source
95808-Z2 IT Project Management
95866-Z2 Adv Business Analytics [Prereq:95-796, 95-852]
94842-Z2 Programming R for Analytics [Prereq:95-796]

SPRING (S17 and beyond) - mid January to early May (includes mini 3, 4)

95-703 Z Database Management
95-752 Z Intro to Information Security Management
NEW IN S17: 95-771 Z Data Structures & Algorithms for Info Processing [Prereq: 95-807, 95-712 or equiv Java work exp]
95-807 Z Object Oriented Programming for Managers [Prereq: undergrad level prog class or equiv work exp]
17-655 D Architecture of Software Systems [Prereq:95-807 or at least 2 years java programming experience]
15-619 Cloud Computing [Prereq:extensive Java programming experience required]

SPRING MINI-3 [mid-January to mid-March]

95755-Z3 Information Security Risk Management I
95715-Z3 Financial Accounting
95796-Z3 Statistics for IT Managers
95774-Z3 Business Process Modeling
S17 only then moves to Fall: 95831-Z3 Enterprise Arch

SPRING MINI-4 [mid-March to early May]

NEW IN S17: 95756-Z4 Info Security Risk Mgmt II [Prereq: 95-755]
95744-Z4 Info Sec Policy & Governance
95791-Z4 Data Mining [Prereq: 95-796; R prog is highly recommended]
95722-Z4 Digital Transformation
94806-Z4 Privacy in the Digital Age

SUMMER (M17 and beyond) - late May to early August (includes mini 5, 6)

94-802 Z Geographic Information Systems
95-705 Z Telecommunications Management
17-653 O Managing Software Development
ODD YEARS ONLY: 95-807 Z Object Oriented Programming for Managers [Prereq: undergrad prog class or equiv work exp]

SUMMER MINI-5 [late May to late June]

95763-Z5 Intro to Human-Comp Interaction for Tech Execs
95868-Z5 Exploring & Visualizing Data [Prereq: 95-796]
95797-Z5 Data Warehousing [Prereq:95-703]
17638-Z5 Systems Architecture for Mgrs [Prereq:95-807]
94702-Z5 Professional Writing

SUMMER MINI-6 [late June to early August]

95710-Z6 Economic Analysis
95760-Z6 Decsn Making Under Uncertainty [Prereq: 95-796]
NEW IN M17: 95737-Z6 NoSQL Database Management [Prereq: 95-703]
95872-Z6 Art & Science of Business Analytics [Prereq: 95-703, 95-796]
94811-Z6 Strategy Development