

Heinz College MSIT Program Projected Schedule & CORE

This catalog is expressly for Heinz College's MSIT program. This projected guide is TENTATIVE and SUBJECT TO CHANGE without notice. Each degree requires 60 units of CORE (as checked below) and 84 units of Electives. Current course schedules are posted at the HUB. MSIT courses are denoted with "Z" in the section letter. Questions? Contact Allison@cmu.edu.

Course #	Course Title	Units	Prereq	Typically Offered	CORE: IT Mgt	CORE: InfoSec	CORE: BIDA
95-703	Database Management	12	None	Spring	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
95-705	Telecommunications Management	12	None	Summer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
95-706	Object Oriented Analysis & Design	6	95-807 or 95-712	Fall	<input checked="" type="checkbox"/>		
95-710	Economic Analysis	6	None	Summer			<input checked="" type="checkbox"/>
95-722	Digital Transformation	6	None	Spring			
95-734	Managing Digital Business	12	None	Fall	<input checked="" type="checkbox"/>		
95-737	NoSQL Database Management	6	95-703	Summer			
95-744	Cybersecurity Policy & Governance	6	None	Spring		<input checked="" type="checkbox"/>	
95-748	Software & Security	6	95-752; some prog experience suggested	Fall		<input checked="" type="checkbox"/>	
95-752	Intro to Info Security Management	12	None	Spring		<input checked="" type="checkbox"/>	
95-755	Information Security Risk Management I	6	None	Spring		<input checked="" type="checkbox"/>	
95-758	Network & Internet Security	12	95-752	Fall		<input checked="" type="checkbox"/>	
95-760	Decision Making Under Uncertainty	6	95-796	Summer			
95-771	Data Structures & Algorithms	12	95-807, 95-712 <u>or</u> equiv OO prog exp	Spring; EVEN yrs only			
95-791	Data Mining	6	95-796 required; 94-842, 95-868 or prior R prog exp is HIGHLY recommended	Spring			<input checked="" type="checkbox"/>
95-794	Tech Startup I: Market Discovery	6	None	Fall			
95-796	Statistics for IT Managers	6	None	Fall			<input checked="" type="checkbox"/>
95-797	Data Warehousing	6	95-703	Fall			<input checked="" type="checkbox"/>
95-799	Linux & Open Source	6	See online description for soft prereqs.	Fall			
95-807	Object Oriented Programming for IT Managers	12	Undergrad level OOP in Java or C++ or equivalent work exp. Free online prep course at CMU's Open Learning Initiative.	Spring	<input checked="" type="checkbox"/>		
95-808	IT Project Management	6	None	Fall	<input checked="" type="checkbox"/>		
95-855	Network Traffic Analysis	6	None	Summer			
95-865	Unstructured Data Analytics <i>(replaces 95-852 Appl Data Sci)</i>	6	95-796, 95-898	Spring			<input checked="" type="checkbox"/>
95-866	Advanced Business Analytics	6	95-796, 95-791	Fall			<input checked="" type="checkbox"/>
95-868	Exploring & Visualizing Data	6	95-796 required; 94-842 or R prog exp suggested	Summer			<input checked="" type="checkbox"/>

Course #	Course Title	Units	Prereq	Typically Offered	CORE: IT Mgt	CORE: InfoSec	CORE: BIDA
95-870	Managing Analytics Projects	6	95-796 and exp with one analytics environ (e.g. R, Python, SAS)	Spring; EVEN yrs only			
95-883	Ethical Penetration Testing	6	Recommend linux exp or 95-884 or 95-799	Spring			
95-884	Network Defenses	6	Recommend 95-799	Summer			
95-889	Applied Threat Analysis	12		Summer; EVEN yrs only			
95-898	Intro to Python Programming	6	Suitable for any MSIT major	Fall			
ONLINE COURSES OFFERED BY OTHER HEINZ DEPARTMENTS:							
91-717	Business Writing for Leaders	6	<i>None</i>	Summer			
91-869	Conflict Resolution	6	Very limited enrollment	Spring, Summer			
94-802	Geographic Information Systems	12	Database course required for non-MSIT students	Summer			
94-806	Privacy in the Digital Age	6	<i>None</i>	Spring		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
94-842	Programming R for Analytics	6	95-796	Fall			