

# Master of Science - IT Administration & Security

## Degree Requirements Worksheet

30 Credits

### BRIDGE COURSES

Completed	Course	Title	Prerequisites
	IT 120	Introduction to Network Technology	
	IT 220	Wireless Networks	IT 120
	IT 230	Computer & Network Security	IT 120
	IT 340	Introduction to System Administration	IT 120
	IT 420	Computer Systems & Networks	IT 120 <b>AND</b> CS 505
	IS 331	Database System Design & Management	CS 505
	CS 505	Programming, Data Structures & Algorithms	

### 6 CORE COURSES

Completed	Course	Title	Prerequisites
	IT 610	Systems Administration ( <b>FALL</b> )	IT 340
	IT 620	Wireless Network Security & Administration ( <b>FALL</b> )	
	IT 635	Database Administration ( <b>SPRING</b> ) (DL)	IT 610
	IT 640	Network Services Administration ( <b>SPRING</b> )	
	CS 656 <b>OR</b> ECE 637	Internet & Higher Layer Protocols (DL) / Internet & Higher-Layer Protocols	
	CS 696	Network Management & Security (DL)	CS 652 <b>OR</b> 656

### 4 ELECTIVE COURSES

Completed	Course	Title	Prerequisites
	CS 608	Cryptography & Security	
	CS 631 <b>OR</b> IS 631	Database Management System Design (DL)/ Enterprise Database Management	
	CS 632	Advanced Database System Design (DL)	CS 631 <b>AND</b> GR 3 / GR 4 status
	CS 633	Distributed Systems	
	CS 645	Security & Privacy in Computer Systems	
	CS 652 <b>OR</b> ECE 683	Computer Networks - Architecture, Protocol & Standards (DL)/ Computer Network Design and Analysis	
	CS 698	Network Protocols & Security	CS 656
	CS 698	Counter Hacking Techniques	
	IS 677	Information Systems Principles	
	IS 679	Information Systems Strategy	IS 677 <b>OR</b> MIS 645
	IS 680	Information Systems Auditing	
	IS 681	Computer Security Auditing	
	IS 682	Forensic Auditing for Computing Security	
	ECE 639	Principles of Broadband Networks	ECE 673 <b>AND</b> 683 <b>OR</b> CS 652
	ECE 645	Wireless Networks	
	HRM 601	Organizational Behavior	
		<i>Students are permitted one outside elective with advisor approval.</i>	

(DL) = Offered as a Distance Learning course