Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	Summer
Hours		Item Type	Department Elective
Group NO		**Max Regestration hrs**	9
Faculty	9		
Department	1		
Special Department		Information Technology and Computer Sciences	
Gender		Computer Information Systems	
		Computer Information Systems	
		BOTH	

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
CIS 601	Research Methodology	3		(ع.ح ٦٠٣)	Blended
CIS 633	Advanced Distributed Systems	3		(ن.ح ٦٣٣)	Normal
CIS 643	Requirement Engineering	3		( )	Normal
CIS 644	Software Testing and Performance Assessment	3		(ن.ح ٦٤٤)	Normal
CIS 646	Aspect Orientation	3		( )	Normal
CIS 647	Software Reuse	3		( )	Normal
CIS 648	Software Maintenance and Re-engineering	3		(ن.ح ٦٤٨)	Normal
CIS 665	Practical Data Analytics	3		( )	Normal
CIS 666	Web-Based Information Retrieval Systems	3		(ن.ح ٦٦٦)	Blended
CIS 668	Advanced data warehousing	3		(ن.ح ٦٦٨)	Normal
CIS 669	Big data management	3		( )	Normal
CIS 685	Internet of Things: Multimedia Technology	3		( )	Blended
CIS 686	Social Network Analysis	3		( )	Blended
CIS 691	Special Topics in Information Systems	3		(ن.ح ٦٩١)	Normal
MIS 682	Business Intelligence and Analysis	3		(BIA 630) (ن.ا ٦٨٢)	Normal

Admission Year	2023	Program	Master
Plan Type	Comprehensive exam	Semester	Summer
Hours		Item Type	Department Mandatory
Group NO		**Max Regestration hrs**	24
Faculty	24		
Department	1		
Special Department		Information Technology and Computer Sciences	
Gender		Computer Information Systems	
		Computer Information Systems	
		BOTH	

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
CIS 641	Advanced Software Engineering	3		(٦٤١ ح.ن)	Normal
CIS 642	Software Modeling and Design	3		( )	Blended
CIS 660	Data Science	3		( )	Normal
CIS 662	Advanced Database Systems	3		(٦٦٢ ح.ن)	Normal
CIS 667	Advanced Data Mining	3		(٦٦٧ ح.ن)	Blended
CIS 683	Web Technology	3		( )	Blended
CIS 687	Advanced Data Security and Privacy	3		(MIS 662)	Normal
CIS 695	Graduation Project	3		(٦٩٥ ح.ن)	Online
CIS 698	COMPREHENSIVE EXAM	0		(٦٩٨ ح.ن)	Normal