University of Mosul / College of Engineering / Computer Engineering Department

Curricula for the Academic Year 2024-2025

Curricula of the Computer Engineering Department

Fourth Academic Level, First Semester

Curricula of the Computer Engineering Department

Fourth Academic Level (First Semester)								
Type of Requirement	**Requirement Type (Mandatory – Elective)**	**Course Name**	**Number of Theoretical Hours**	**Number of Practical Hours**	**Number of Credits**	**Prerequisite (if applicable)**	**Course Code**	**Notes**
College Requirements	Elective	Public Safety	2	-	2		ENGE429	Mandatory for Department Students
Department Requirements	Mandatory	Graduation Project I	2	-	2	All Mandatory Department Requirements for the Third Level		
	Mandatory	Control Systems	3	2	4	Signals and Systems	COSY403	
	Mandatory	Real Time Systems	2	2	3	Embedded Systems	RETS404	
	Mandatory	Computer Graphics	2	-	2		COGR405	
	Mandatory	Artificial Intelligence	2	-	2		ARIN409	
	Elective	Wireless Network	2	-	2		WINE406	The student chooses one course. The required number of credits = 2 credits.
		Advanced Computer Architecture	2	-	2		ACAR408	
	Elective	Optical Communication	2	-	2		OPCO407	The student chooses one course. The required number of credits = 2 credits.
		Biometric Engineering	2	-	2		BIEN411	
	Total Hours and Credits for the First Semester		**17**	**4**	**19**			

University of Mosul / College of Engineering / Computer Engineering Department

Curricula for the Academic Year 2024-2025

Curricula of the Computer Engineering Department

Fourth Academic Level, Second Semester

Curricula of the Computer Engineering Department

Fourth Academic Level (Second Semester)								
Type of Requirement	Requirement Type (Mandatory – Elective)	Course Name	Number of Theoretical Hours	Number of Practical Hours	Number of Credits	Prerequisite (if applicable)	Course Code	Notes
College Requirements	Mandatory	English language – Upper Intermediate	2	-	2			
	Mandatory	Professional Ethics	2	-	2		UOMC104	
Department Requirements	Mandatory	Graduation Project II	2	-	2	Graduation Project I	GRPR450	
	Mandatory	Digital Control	3	2	4	Control Systems	DICO452	
	Mandatory	Software Engineering	2	-	2		SOEN451	
	Elective	Network Security	2	-	2		NESE453	The student chooses one course. The required number of credits = 2 credits.
		Special Purpose Processors	2	-	2		SPPR456	
	Elective	Network Application & Management	2	-	2		NAMA455	The student chooses one course. The required number of credits = 2 credits.
		Distributed System	2	-	2		DISY457	
	Elective	Industrial Network	2	-	2		INNE454	The student chooses one course. The required number of credits = 2 credits.
		Antenna and Propagation	2	-	2		ANPR458	
		Intelligent Control	2	-	2		INCO459	
		Total Hours and Credits for the Second Semester	**17**	**2**	**18**			