

		Republic of Iraq - Ministry of Higher Education and Scientific Research University of Information Technology and Communications Bachelor's degree in Media Technology and Communications Engineering (Seventh cycle) Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 30 hr Program Curriculum (2024 - 2025)						جمهورية العراق - وزارة التعليم العالي والبحث العلمي جامعة تكنولوجيا المعلومات والاتصالات بكالوريوس في هندسة تكنولوجيا الإعلام والاتصالات (الدورة الاولى) أربع سنوات (ثمانية فصول دراسية) - ٢٤٠ وحدة اوروبية - كل وحدة اوروبية = 30 ساعة المنهاج الدراسي للعام 2025-2024														
Level	Semester	No.	Module Code		TYPE	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite code	
									CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGI	One	1	ITC000021	ITC-0-0-002-1	University	Computer I	الحاسوب 1	English	1		2				2	47	28	75	3.00	B		
		2	ITC000031	ITC-0-0-003-1	University	English Language I	اللغة الإنجليزية 1	English	2						2	32	18	50	2.00	B		
		3	ITC200031	ITC-2-0-003-1	College	Electrical Circuits I	الدوائر الكهربائية 1	English	2		3				3	78	72	150	6.00	C		
		4	ITC200040	ITC-2-0-004-0	College	Engineering Drawing	الرسم الهندسي	English			3				3	48	27	75	3.00	S		
		5	ITC200011	ITC-2-0-001-1	College	Mathematics I	الرياضيات 1	English	3						3	48	102	150	6.00	B		
		6	ITC210020	ITC-2-1-002-0	Department	Audio Technologies	تقنيات الصوت	English	2		2				3	63	62	125	5.00	C		
		7	ITC210010	ITC-2-1-001-0	Department	Electronics Physics	فيزياء الالكترونك	English	3						3	48	77	125	5.00	B		
		Total							13		10				19	364	386	750	30.00			
	Two	1	ITC000041	ITC-0-0-004-1	University	Arabic Language I	اللغة العربية 1	Arabic	2						2	32	18	50	2.00	B		
		2	ITC000000	ITC-0-0-000-0	University	Democracy and Human Rights	الديمقراطية وحقوق الإنسان	Arabic	2						2	32	18	50	2.00	B		
		3	ITC200050	ITC-2-0-005-0	College	Computer Programming	برمجة الحاسوب	English	2		3				3	78	72	150	6.00	C		
		4	ITC200020	ITC-2-0-002-0	College	Digital Systems Design	تصميم النظم الرقمية	English	3		2				3	78	72	150	6.00	C		
		5	ITC200032	ITC-2-0-003-2	College	Electrical Circuits II	الدوائر الكهربائية 2	English	2		3				3	78	72	150	6.00	C	ITC200031	
		6	ITC200012	ITC-2-0-001-2	College	Mathematics II	الرياضيات 2	English	3						3	48	77	125	5.00	B	ITC200011	
		7	ITC210030	ITC-2-1-003-0	Department	Media laws and Ethics	قوانين وأخلاقيات الاعلام	Arabic	2						3	33	42	75	3.00	S		
		Total							16		8				19	379	371	750	30.00			
Level	Semester	No.	Module Code		TYPE	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite code	
									CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGII	Three	1	ITC000010	ITC-0-0-001-0	University	AL-Baath Regime Crimes in Iraq	جرائم نظام البعث في العراق	Arabic	2						2	32	18	50	2.00	B		
		2	ITC200070	ITC-2-0-007-0	College	Electronics	الكرونيك	English	2		3				3	78	72	150	6.00	C	ITC200032	
		3	ITC200061	ITC-2-0-006-1	College	Engineering Mathematics I	الرياضيات الهندسية 1	English	3						3	48	77	125	5.00	B	ITC200012	
		4	ITC200080	ITC-2-0-008-0	College	Statistics and Probability	الإحصاء والاحتمالية	English	3						3	48	27	75	3.00	B	ITC200012	
		5	ITC210040	ITC-2-1-004-0	Department	Web Design	تصميم المواقع	English	2		3				3	78	47	125	5.00	E	ITC200050	
		6	ITC210050	ITC-2-1-005-0	Department	Electromagnetic Fields	المجالات الكهرومغناطيسية	English	2						3	33	67	100	4.00	C	ITC200012	
		7	ITC210060	ITC-2-1-006-0	Department	Video Technologies	تقنيات الفيديو	English	2		2				3	63	62	125	5.00	C	ITC210020	
		Total							16		8				20	380	370	750	30.00			
	Four	1	ITC000042	ITC-0-0-004-2	University	Arabic Language II	اللغة العربية 2	Arabic	2						2	32	18	50	2.00	B	ITC000041	
		2	ITC000022	ITC-0-0-002-2	University	Computer II	الحاسوب 2	English	1		2				2	47	28	75	3.00	B	ITC000021	
		3	ITC000032	ITC-0-0-003-2	University	English Language II	اللغة الإنجليزية 2	English	2						2	32	18	50	2.00	B	ITC000031	
		4	ITC200062	ITC-2-0-006-2	College	Engineering Mathematics II	الرياضيات الهندسية 2	English	3						3	48	102	150	6.00	B	ITC200061	
		5	ITC200100	ITC-2-0-010-0	College	Linear Algebra	الجبر الخطي	English	3						3	48	52	100	4.00	B	ITC200012	
		6	ITC210070	ITC-2-1-007-0	Department	Communications Fundamentals	أسس الاتصالات	English	3		2				3	78	97	175	7.00	C	ITC200061 + ITC200070	
		7	ITC200090	ITC-2-0-009-0	College	Digital Electronics	الكرونيك رقمي	English	2		3				3	78	72	150	6.00	C	ITC200070	
		Total							16		7				18	363	387	750	30.00			
Level	Semester	No.	Module Code		TYPE	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite code	
									CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGIII	Five	1	ITC200110	ITC-2-0-011-0	College	Numerical Analysis	التحليل العددي	English	3						3	48	52	100	4.00	B	ITC200100	
		2	ITC200121	ITC-2-0-012-1	College	Space Science I	علم الفضاء 1	English	3						3	48	52	100	4.00	E		
		3	ITC210090	ITC-2-1-009-0	Department	Antenna and Wave Propagation	الهوائيات وانتشار الموجات	English	3		2				3	78	97	175	7.00	C	ITC210070 + ITC210050	
		4	ITC210101	ITC-2-1-010-1	Department	Computer Networks I	شبكات الحاسوب 1	English	2		2				3	63	62	125	5.00	C		
		5	ITC210110	ITC-2-1-011-0	Department	Digital Communications	الاتصالات الرقمية	English	2		3				3	78	47	125	5.00	C	ITC210070 + ITC210050	
		6	ITC210120	ITC-2-1-012-0	Department	Media Graphics Design	تصميم الجرافيك الاعلاني	English	2		2				3	63	62	125	5.00	S	ITC210060	
		Total							15		9				18	378	372	750	30.00			
	Six	1	ITC200122	ITC-2-0-012-2	College	Space Science II	علم الفضاء 2	English	3						3	48	52	100	4.00	E	ITC200121	
		2	ITC210140	ITC-2-1-014-0	Department	Digital Signal Processing	معالجة الإشارة الرقمية	English	2						3	33	67	100	4.00	C	ITC200062	
		3	ITC210102	ITC-2-1-010-2	Department	Computer Networks II	شبكات الحاسوب 2	English	2			2			3	63	87	150	6.00	C	ITC210101	
		4	ITC210080	ITC-2-1-008-0	Department	Microprocessors	المعالجات الدقيقة	English	2		2				3	63	62	125	5.00	C	ITC200020	
		5	ITC210150	ITC-2-1-015-0	Department	Information Theory and Coding	نظرية المعلومات والترميز	English	2		2				3	63	87	150	6.00	C	ITC210110 + ITC200080	
		6	ITC210170	ITC-2-1-017-0	Department	Embedded Systems	الانظمة المدمجة	English	2		3				3	78	47	125	5.00	E	ITC200070 + ITC200050	
		Total							13		9				18	348	402	750	30.00			
Level	Semester	No.	Module Code		TYPE	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite code	
									CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
UGIV	Seven	1	ITC200131	ITC-2-0-013-1	College	Graduation Project I	مشروع التخرج 1	English	1		2				3	48	52	100	4.00	C		
		2	ITC210160	ITC-2-1-016-0	Department	Artificial Intelligence	الذكاء الاصطناعي	English	2		2				3	63	62	125	5.00	E	ITC200080 + ITC200050	
		3	ITC210210	ITC-2-1-021-0	Department	Computer Control	سيطرة بالحاسوب	English	2		2				3	63	37	100	4.00	C	ITC200062	
		4	ITC210190	ITC-2-1-019-0	Department	Mobile Broadcasting Systems	انظمة البث المتنقلة	English	2		2				3	63	87	150	6.00	C	ITC210150	
		5	ITC210200	ITC-2-1-020-0	Department	Mobile Applications Development	تطوير تطبيقات الهاتف المحمول	English	2		2				3	63	62	125	5.00	E	ITC210040	
		6	ITC210180	ITC-2-1-018-0	Department	Satellite Communications	اتصالات الأقمار الصناعية	English	3		2				3	78	72	150	6.00	C	ITC210110	
		Total							12		12				18	378	372	750	30.00			
	Eight	1	ITC200132	ITC-2-0-013-2	College	Graduation Project II	مشروع التخرج 2	English	1		2				3	48	52	100	4.00	C	ITC200131	
		2	ITC210230	ITC-2-1-023-0	Department	Internet of Things	انترنت الأشياء	English	2		2				3	63	62	125	5.00	E	ITC210170 + ITC210101	
		3	ITC210220	ITC-2-1-022-0	Department	Optical Fiber Communications	اتصالات الألياف البصرية	English	2		2				3	63	62	125	5.00	C	ITC210090	
		4	ITC210250	ITC-2-1-025-0	Department	Studio Technologies	تقنيات الاستوديو	English	2		2				3	63	62	125	5.00	S	ITC210120	
5		ITC210130	ITC-2-1-013-0	Department	Soft Computing	الحوسبة المرنية	English	2		2				3	63	87	150	6.00	E	ITC210160		
6		ITC210240	ITC-2-1-024-0	Department	Wireless and Mobile Communications	الاتصالات اللاسلكية والمتنقلة	English	3		2				3	78	47	125	5.00	C	ITC210140 + ITC210150		
Total							12		12				18	378	372	750	30.00					
								Total	113	0	75	0	0	0	148	2968	3032	6000	240		Must be 240 ECTS	
Note: The student should complete 4 weeks of Summer Internships to fulfill the requirements of the Bachelor's degree																						
Structure and SWL	CL	Class Lecture					Module type	B		Basic learning activities		SWL:		Student Workload								
	Lab	Laboratory						C		Core learning activity		SSWL:		Structured SWL								
	Pr	Practical Training						S		Support or related learning activity		USSWL:		Unstructured SWL								
	Tut	Tutorial						E		Elective learning activity												
	Lect	Online lecture					Note: * ABET Requirements															
	Semn	Seminar					Note: Columns O, Q and R are programmed, protected and															

[illegible]