

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSWL (hr/w)						Exam hr/sem	SSWL hr/sem	USSW I hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)							
UGIII	Five	1	STUTTC35	Electric Power Systems	نظم القدرة الكهربائية	English	3		3			4	94	56	150	6.00	C		
		2	STUTTC35	Heat transfer and Hydraulic systems	انتقال الحرارة والانظمة الهيدروليكية	English	3		3			4	94	56	150	6.00	C		
		3	STUTTC35	Communications	الاتصالات	English	3		3			4	94	31	125	5.00	C		
		4	STUTTC35	Theory of Machines	نظرية المكنان	English	3		3			4	94	31	125	5.00	C		
		5	STUTTC35	control theory	نظرية السيطرة	English	2	1			1	4	64	36	100	4.00	C		
		6	STUTTC35	control systems	انظمه السيطرة	English	2	1			1	4	64	36	100	4.00	C		
							Total	16	2	12	0	2	0	24	504	246	750	30.00	
UGIII	Six	1	STUTTC36	Synchronous and special Machines	المكنان التزامنية والخاصة		3	1	3		1	4	124	51	175	7.00	C		
		2	STUTTC36	Vibration Theory	نظرية الاهتزازات		3	1	3			4	109	41	150	6.00	C		
		3	STUTTC36	Industrial Engineering	هندسة صناعية		3	2				3	78	72	150	6.00	C		
		4	STUTTC36	Electromechanical designs	تصاميم كهروميكانيكية		3	2				3	78	72	150	6.00	C		
		5	STUTTC36	Engineering and Numerical Analysis	تحليلات هندسية وعددية		3				1	3	63	62	125	5.00	S		
							Total	15	6	6	0	2	0	17	452	298	750	30.00	
UGIV	Seven	1	STUTTC47	Power Electronics and Drive	الالكترونيات القدرة والقيادة		3		3			4	94	81	175	7.00	C		
		2	STUTTC47	Electromechanical Devices	اجهزة كهروميكانيكية		3		3			4	94	81	175	7.00	C		
		3	STUTTC47	Automation and Control	السيطرة والاتمقة		3	1				4	64	61	125	5.00	C		
		4	STUTTC47	Computer Aided Design and Manufacturing	التصميم والتصنيع المعان بالحاسوب		3		3			4	94	56	150	6.00	C		
		5	STUTTC47	Renewable Energy	طاقه متجدده		3		3			4	94	31	125	5.00	C		
							Total	15	1	12	0	0	0	20	440	310	750	30.0	
UGIV	Eight	1	STUTTC48	Signals and systems	اشارات ونظم		3		3			4	94	56	150	6.00	C		
		2	STUTTC48	Microprocessors and Microcontrollers	المعالجات والسيطرات الدقيقة		3		3			4	94	56	150	6.00	C		
		3	STUTTC48	Air Conditionand Cooling systems	منظومات التكييف والتبريد		3		3			4	94	56	150	6.00	C		
		4	STUTTC48	Engineering project	مشروع هندسي		2			4		3	93	57	150	6.00	C		
		5	STUTTC48	Programmable Logic controllers	متحكمات المنطق المبرمج		3		3			4	94	56	150	6.00	C		
							Total	14	0	12	4	0	0	19	469	281	750	30.0	
							Total	110	25	76	15	8	0	163	3673	2327	6000	240.0	Must be 240 ECTS
Note: The student should complete 4 weeks of Summer Internships to fulfill the requirements of the Bachelor's degree																			
Structured SWL (hr/w) type	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	Suport or related learning activity				USSWL:	Unstructured SWL						
	Tut	Tutorial					E	Elective learning activity											
	Lect sem	Online lecture Seminar																	
Note: Columns O, Q and R are progmaed, protected and should not be edited																			