

2021 ELECTRICAL ENGINEERING: RF and Microwaves Track

DEGREE REQUIREMENT CHECKSHEET

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

UNIVERSITY OF CENTRAL FLORIDA

GENERAL EDUCATION PROGRAM				LOWER AND JUNIOR LEVEL REQUIRED COURSES			SH	Grd	Trans Equiv			
* Indicates "C-" minimum required by the Gordon Rule				EGS 1006C Introduction to the Engineering Profession			1	#				
** Indicates minimum "C" or better grade				EGN 1007C Engineering Concepts and Methods			1	#				
COMMUNICATION (9 SEM HRS)		SH	Grd	Trans Equiv								
ENC 1101		3	*	PHY 3101 General Physics Using Calculus III			3					
ENC 1102		3	*	EEL 3926L Junior Design			1					
				EGN 3211 Engineering Analysis & Computation			3	**				
SPC 1603C		3		EEL 3004C Linear Circuits I			3	**				
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3123C Linear Circuits II			3	**				
Select 2: AMH 2010, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022				6	*	EEE 3307C Electronics I			4			
Approved Cultural Foundations course:				3		EEE 3342C Digital Systems			3	**		
SOCIAL FOUNDATION - (6 SEM HRS)				EEL 3801C Computer Organization			4	**				
ANT 2000/ PSY 2012/ SYG 2000				3		EEL 3470 Electromagnetic Fields			3			
ECO 2013 <u>or</u> ECO 2023				3		JUNIOR LEVEL ELECTIVE COURSES (CHOOSE 2)			SH	Grd	Trans Equiv	
SCIENCE - 6 SH				EEE 3350 Semiconductor Devices			3					
GEO 1200 <u>or</u> GEO 2370 (either GEO is preferred) <u>or</u> BSC 1050C <u>or</u> BSC 1005C <u>or</u> GLY 1030				3		EEL 3552C Signal Analysis & Analog Communication			4			
PHY 2048C General Physics Using Calculus I				4		EEL 3657 Linear Control Systems			3			
MATHEMATICAL - 6 SH				SENIOR LEVEL REQUIRED COURSES			SH	Grd	Trans Equiv			
MAC 2311C Calculus with Analytic Geometry I				4	**	EEE 4309C Electronics II			4			
STA 3032 Probability & Statistics for Engineers				3		EEL 4742C Embedded Systems			3			
GPA Gen Ed Prog =				36		RECOMMENDED SENIOR LEVEL ELECTIVE COURSES			SH	Grd	Trans Equiv	
							(CHOOSE MINIMUM 3 FROM LIST)					
							EEL 4436C Microwave Engineering			4		
							EEL 4140C Analog Filter Design			4		
							EEL 4512C Digital Communications			4		
							EEL 4518 Satellite Communications			3		
							EEL 5437C Microwave Engineering			4		
							EEL 5462C Antenna Analysis and Design			3		
							EEL 5439C RF and Microwave Communications			4		
							EEE 5557 Introduction to Radar Systems			3		
							EEL 5432 Satellite Remote Sensing			3		
							EEE 5356C Fabrication of Solid State Devices			4		
							EEE 5513 DSP Applications			3		
							EEE 5265 Bio-Medical Effects and Applications of EM Energy			3		
							EEE 5370 Operational Amplifiers			3		
							EEE 5378 CMOS Analog and Digital Circuit Design			3		
							REQUIRED					
							Technical Electives (EEE or EEL 4XXX or 5XXX)			10-14	~	
							EEL 4914 Senior Design I			3		
							EEL 4915L Senior Design II			3		
							SUBTOTAL SEM HRS			71		
** A Grade of C (2.00) or higher required				GPA Engr Option =			(2.250 minimum)					
* Transfer students please see your faculty advisor before registering for these classes.				ADVISOR COMMENTS:								
							~BS-MS students should choose (3 SH) 5000 level courses as electives.					