

2017 ELECTRICAL ENGINEERING: Communications and Signal Processing Track
COLLEGE OF ENGINEERING & COMPUTER SCIENCE

DEGREE REQUIREMENT CHECKSHEET
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 Intro to Engr Prof			1	#	
** Indicates minimum "C" or better grade				EGN 1007C Engr Concepts and Methods			1	#	
COMMUNICATION (9 SEM HRS)	SH	Grd	Trans Equiv	STA 3032 Probability & Statistics for Engrs			GEP		
ENC 1101	3	*		PHY 3101 Physics for Engr and Sci III			3		
ENC 1102	3	*		EEL 3926L Junior Design			1		
				EGN 3211 Engineering Analysis & Comp.			3	**	
SPC 1603	3			EEL 3290 Introduction to Applied Randomness for Engineers			3		
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3004C Electrical Networks			3	**	
EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022				6	*		EEL 3123C Networks and Systems		
Approved Cultural Foundations course:				3			EEE 3307C Electronics I		
SOCIAL FOUNDATION - (6 SEM HRS)				EEE 3342C Digital Systems			3	**	
ANT 2000/ PSY 2012/ SYG 2000				3			EEL 3801C Computer Organization		
ECO 2013 or ECO 2023				3			EEL 3552C Signal Analysis & Analog Communication (name change)		
SCIENCE - 6 SH				JUNIOR LEVEL ELECTIVE COURSES (CHOOSE 2) <th>SH</th> <th>Grd</th> <th>Trans Equiv</th>			SH	Grd	Trans Equiv
GEO 1200 or GEO 2370 (either GEO is preferred or BSC 1050C or BSC 1005C or GLY 1030)				3			EEL 3470 Electromagnetic Fields		
PHY 2048C Physics I for Engrs				4			EEL 3657 Linear Control Systems		
MATHEMATICAL - 6 SH				EEE 3350 Semiconductor Devices I			3		
MAC 2311 Calculus I				4	**		SENIOR LEVEL REQUIRED COURSES		
STA 3032 Prob & Stats for Engrs				3			EEL 4750 Digital Signal Processing Fund.		
GPA Gen Ed Prog =				38			EEL 4515C Fundamentals of Digital Communication Systems		
ENGINEERING CORE**				SH	Grd	Trans Equiv	SH	Grd	Trans Equiv
MAC 2311 Calculus I				GEP	**		RECOMMENDED SENIOR LEVEL ELECTIVE COURSES		
MAC 2312 Calculus II				4	**		(CHOOSE MINIMUM 2 FROM LIST)		
MAC 2313 Calculus III				4	**		EEL 4140C Analog Filter Design		
MAP 2302 Differential Equations				3	**		EEL 4518 Satellite Communications		
CHS 1440 Chem for Engrs (or CHM 2045C)				4	**		EEL 4781 Computer Communication Networks		
PHY 2048C Physics I for Engrs				GEP	**		EEE 5513 DSP Applications		
PHY 2049C Physics II for Engrs				4	**		EEE 5542 Random Processes I		
SUBTOTAL SEM HRS				19			EEE 5557 Introduction to Radar Systems		
							EEL 5432 Satellite Remote Sensing		
							EEL 5780 Wireless Networks		
							EEL 5820 Image Processing or its equivalent course from CS		
							EEL 5xxx Fundamentals of Wireless Communication		
							EEL 5268 Communications and Networking for Smart Grid		
							REQUIRED		
							Technical Electives (EEE or EEL 4XXX or 5XXX)		
							10	~	
							EEL 4914 Senior Design I		
							EEL 4915L Senior Design II		
							SUBTOTAL SEM HRS		
							71		
							GPA Engr Option = (2.250 minimum)		
** A Grade of C (2.00) or higher required				ADVISOR COMMENTS:					
# Transfer students please see your faculty advisor before registering for these classes.				~BS-MS students should choose (3 SH) 5000 level courses as electives.					