

**2017 ELECTRICAL ENGINEERING: Communications & 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 3021 Introduction to Applied Randomness for Engineers			3		
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3004C Electrical Networks			3	**		
Select 2: AMH 2010, AMH 2020, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, Approved Cultural Foundations course:				6	*					
SOCIAL FOUNDATION - (6 SEM HRS)				EEL 3123C Networks and Systems			3	**		
ANT 2000/ PSY 2012/ SYG 2000	3				EEE 3307C Electronics I			4		
ECO 2013 or ECO 2023	3				EEE 3342C Digital Systems			3	**	
				EEL 3801C Computer Organization			4	**		
				EEL 3552C Signal Analysis & Analog Communication (name change)			4			
SCIENCE - 6 SH				JUNIOR LEVEL ELECTIVE COURSES (CHOOSE 2)			SH	Grd	Trans Equiv	
GEO 1200 or GEO 2370 (either GEO is preferred or BSC 1050C or BSC 1005C or GLY 1030)				3						
PHY 2048C Physics I for Engrs				4						
MATHEMATICAL - 6 SH				EEL 3470 Electromagnetic Fields			3			
MAC 2311 Calculus I				4	**					
STA 3032 Prob & Stats for Engrs				3						
GPA Gen Ed Prog =				38						
				EEL 4515C Fundamentals of Digital Communication Systems			4			
				EEL 4742C Embedded Systems			3			
ENGINEERING CORE**		SH	Grd	Trans Equiv	RECOMMENDED SENIOR LEVEL ELECTIVE COURSES			SH	Grd	Trans Equiv
MAC 2311 Calculus I		GEP	**		(CHOOSE MINIMUM 2 FROM LIST)					
MAC 2312 Calculus II		4	**		EEL 4140C Analog Filter Design			4		
MAC 2313 Calculus III		4	**		EEL 4518 Satellite Communications			3		
MAP 2302 Differential Equations		3	**		EEL 4781 Computer Communication Networks			3		
CHS 1440 Chem for Engrs (or CHM 2045C)		4	**		EEE 5513 DSP Applications			3		
PHY 2048C Physics I for Engrs		GEP	**		EEE 5542 Random Processes I			3		
PHY 2049C Physics II for Engrs		4	**		EEE 5557 Introduction to Radar Systems			3		
SUBTOTAL SEM HRS		19			EEL 5432 Satellite Remote Sensing			3		
				EEL 5780 Wireless Networks			3			
				EEL 5820 Image Processing or its equivalent course from CS			3			
				EEL 5xxx Fundamentals of Wireless Communication			3			
				EEL 5268 Communications and Networking for Smart Grid			3			
				REQUIRED						
				Technical Electives (EEE or EEL 4XXX or 5XXX)			9-10	~		
				EEL 4914 Senior Design I			3			
				EEL 4915L Senior Design II			3			
				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.						