

2017 ELECTRICAL ENGINEERING: Comprehensive Track

DEGREE REQUIREMENT CHECKSHEET

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

UNIVERSITY OF CENTRAL FLORIDA

GENERAL EDUCATION PROGRAM				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		
ENC 1101	3	*		STA 3032 Probability & Statistics for Engrs	GEF	
ENC 1102	3	*		PHY 3101 Physics for Engr and Sci III	3	
				EEL 3926L Junior Design	1	
SPC 1603	3			EGN 3211 Engineering Analysis & Comp.	3	**
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3004C Electrical Networks	3	**
Select 2: AMH 2010, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022	6	*		EEL 3123C Networks and Systems	3	**
Approved Cultural Foundations course:	3			EEE 3350 Semiconductor Devices I	3	
SOCIAL FOUNDATION - (6 SEM HRS)				EEE 3307C Electronics I	4	
ANT 2000/ PSY 2012/ SYG 2000	3			EEE 3342C Digital Systems	3	**
ECO 2013 <u>or</u> ECO 2023	3			EEL 3470 Electromagnetic Fields	3	
SCIENCE - 6 SH				EEL 3552C Signal Analysis & Communications	4	
GEO 1200 <u>or</u> GEO 2370 (either GEO is preferred)				EEL 3657 Linear Control Systems	3	
<u>or</u> BSC 1050C <u>or</u> BSC 1005C <u>or</u> GLY 1030	3			EEL 3801C Computer Organization	4	**
PHY 2048C Physics I for Engrs	4			EEE 4309C Electronics II	4	
MATHEMATICAL - 6 SH				EEL 4750 Digital Signal Processing Fund.	3	
MAC 2311 Calculus I	4	**		EEL 4742C Embedded Systems	3	
STA 3032 Prob & Stats for Engrs	3			<i>Technical Electives (EEE or EEL 4XXX or 5XXX)</i>	16	~
GPA Gen Ed Prog =	38			EEL 4914 Senior Design I	3	
ENGINEERING CORE**				EEL 4915L Senior Design II	3	
MAC 2311 Calculus I	GEF	**		SUBTOTAL SEM HRS	71	
MAC 2312 Calculus II	4	**		GPA Engr Option =		
MAC 2313 Calculus III	4	**		(2.250 minimum)		
MAP 2302 Differential Equations	3	**		ADVISOR COMMENTS:		
CHS 1440 Chem for Engrs (or CHM 2045C)	4	**		~BS-MS students should choose (3 SH) 5000 level courses as electives.		
PHY 2048C Physics I for Engrs	GEF	**				
PHY 2049C Physics II for Engrs	4	**				
SUBTOTAL SEM HRS	19					

** A Grade of C (2.00) or higher required

* Transfer students please see your faculty advisor before registering for these classes.