

**2017 ELECTRICAL ENGINEERING: Comprehensive Track**

**DEGREE REQUIREMENT CHECKSHEET**

**COLLEGE OF ENGINEERING & COMPUTER SCIENCE**

**UNIVERSITY OF CENTRAL FLORIDA**

<b>GENERAL EDUCATION PROGRAM</b>				<b>REQUIRED COURSES</b>			<b>SH</b>	<b>Grd</b>	<b>Trans Equiv</b>
* 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	#			
<b>COMMUNICATION (9 SEM HRS)</b>	<b>SH</b>	<b>Grd</b>	<b>Trans Equiv</b>	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				
SPC 1603	3			EGN 3211 Engineering Analysis & Comp.	3	**			
<b>CULTURAL &amp; HISTORICAL (9 SEM HRS)</b>				EEL 3004C Electrical Networks	3	**			
Select 2: AMH 2010, AMH 2020, 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				
<b>SOCIAL FOUNDATION - (6 SEM HRS)</b>				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				
<b>SCIENCE - 6 SH</b>				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				
<b>MATHEMATICAL - 6 SH</b>				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				
<b>ENGINEERING CORE**</b>				EEL 4915L Senior Design II	3				
MAC 2311 Calculus I	GEP	**		<b>SUBTOTAL SEM HRS</b>	71				
MAC 2312 Calculus II	4	**		GPA Engr Option =	(2.250 minimum)				
MAC 2313 Calculus III	4	**		<b>ADVISOR COMMENTS:</b>					
MAP 2302 Differential Equations	3	**		~BS-MS students should choose (3 SH) 5000 level courses as electives.					
CHS 1440 Chem for Engrs (or CHM 2045C)	4	**							
PHY 2048C Physics I for Engrs	GEP	**							
PHY 2049C Physics II for Engrs	4	**							
<b>SUBTOTAL SEM HRS</b>	<b>19</b>								
** A Grade of C (2.00) or higher required									
# Transfer students please see your faculty advisor before registering for these classes.									