

**2017 ELECTRICAL ENGINEERING: Comprehensive Track**  
**COLLEGE OF ENGINEERING & COMPUTER SCIENCE**

**DEGREE REQUIREMENT CHECKSHEET**  
**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
					EGN 3211 Engineering Analysis & Comp.	3
SPC 1603	3				EEL 3004C Electrical Networks	3
<b>CULTURAL &amp; HISTORICAL (9 SEM HRS)</b>				EEL 3123C Networks and Systems	3	**
Select 2: AMH 2010, AMH 2020, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022	6	*			EEE 3350 Semiconductor Devices I	3
Approved Cultural Foundations course:	3				EEE 3307C Electronics I	4
<b>SOCIAL FOUNDATION - (6 SEM HRS)</b>				EEE 3342C Digital Systems	3	**
ANT 2000/ PSY 2012/ SYG 2000	3				EEL 3470 Electromagnetic Fields	3
ECO 2013 <u>or</u> ECO 2023	3				EEL 3552C Signal Analysis & Communications	4
<b>SCIENCE - 6 SH</b>				EEL 3657 Linear Control Systems	3	
GEO 1200 <u>or</u> GEO 2370 (either GEO is preferred)					EEL 3801C Computer Organization	4
<u>or</u> BSC 1050C <u>or</u> BSC 1005C <u>or</u> GLY 1030	3				EEE 4309C Electronics II	4
PHY 2048C Physics I for Engrs	4				EEL 4750 Digital Signal Processing Fund.	3
<b>MATHEMATICAL - 6 SH</b>				EEL 4742C Embedded Systems	3	
MAC 2311 Calculus I	4	**			<i>Technical Electives (EEE or EEL 4XXX or 5XXX)</i>	16
STA 3032 Prob & Stats for Engrs	3				EEL 4914 Senior Design I	3
GPA Gen Ed Prog =	38				EEL 4915L Senior Design II	3
<b>ENGINEERING CORE**</b>				<b>SUBTOTAL SEM HRS</b>	<b>71</b>	
MAC 2311 Calculus I	GEP	**			GPA Engr Option = (2.250 minimum)	
MAC 2312 Calculus II	4	**			<b>ADVISOR COMMENTS:</b>	
MAC 2313 Calculus III	4	**			~BS-MS students should choose (3 SH) 5000 level courses as electives.	
MAP 2302 Differential Equations	3	**				
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.						