

**2018 COMPUTER 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	*		EEL 3926L Junior Design		1			
ENC 1102	3	*		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, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022				EEE 3307C Electronics I		4			
Approved Cultural Foundations course:				EEE 3342C Digital Systems		3	**		
<b>SOCIAL FOUNDATION - (6 SEM HRS)</b>				EEL 3801C Computer Organization		4	**		
ANT 2000/ PSY 2012/ SYG 2000	3			EEL 4742C Embedded Systems		3			
ECO 2013 or ECO 2023	3			EEL 4768 Computer Architecture		3			
<b>SCIENCE - 6 SH</b>				EEL 4781 Computer Communication Networks		3			
GEO 1200 or GEO 2370 (either GEO is preferred) or BSC 1050C or BSC 1005C or GLY 1030				COT 3100C Introduction to Discrete Structures		3	**		
PHY 2048C Physics I for Engrs	4	**		COP 3330 Object Oriented Programming		3	**		
<b>MATHEMATICAL - 6 SH</b>				COP 3502C Computer Science I		3	**		
MAC 2311 Calculus I	4	**		COP 3503C Computer Science II		3	**		
STA 3032 Prob & Stats for Engrs	3			COP 4600 Operating Systems		3			
GPA Gen Ed Prog =	38			COP 4331C Processes of OO Software Development		3			
				<i>Technical Electives (see list of EEE/EEL/CDA/CAP/COP/COT/CNT)</i>		15	~		
				EEL 4914 Senior Design I		3			
				EEL 4915L Senior Design II		3			
<b>ENGINEERING CORE**</b>	<b>SH</b>	<b>Grd</b>	<b>Trans Equiv</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.