

2023 COMPUTER ENGINEERING: Comprehensive Track

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

DEGREE REQUIREMENT CHECKSHEET

UNIVERSITY OF CENTRAL FLORIDA

GENERAL EDUCATION PROGRAM				REQUIRED COURSES	SH	Grd	Trans Equiv
* Indicates "C-" minimum required by the Gordon Rule				EGS 1006C Introduction to the Engineering Profession	1	#	
** Indicates minimum "C" or better grade				EGN 1007C Engineering Concepts and Methods	1	#	
COMMUNICATION (9 SEM HRS)	<i>SH</i>	<i>Grd</i>	<i>Trans Equiv</i>	STA 3032 Probability & Statistics for Engineers	GEP		
ENC 1101	3	*		EEL 3926L Junior Design	1		
ENC 1102	3	*		EGN 3211 Engineering Analysis & Computation	3	**	
SPC 1603C	3			EEL 3004C Linear Circuits I	3	**	
CULTURAL & HISTORICAL (9 SEM HRS)				EEL 3123C Linear Circuits II	3	**	
Select 2: AMH 2010, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WOH 2012, WOH 2022	6	*		EEE 3307C Electronics I	4		
Approved Cultural Foundations course:	3			EEE 3342C Digital Systems	3	**	
SOCIAL FOUNDATION - (6 SEM HRS)				EEL 3801C Computer Organization	4	**	
ANT 2000/ PSY 2012/ SYG 2000	3			EEL 4742C Embedded Systems	3		
ECO 2013 <i>or</i> ECO 2023	3			EEL 4768 Computer Architecture	3		
SCIENCE - 6 SH				EEL 4781 Computer Communication Networks	3		
GEO 1200 <i>or</i> GEO 2370 (either GEO is preferred) <i>or</i> BSC 1050C <i>or</i> BSC 1005C <i>or</i> GLY 1030	3			COT 3100C Introduction to Discrete Structures	3	**	
PHY 2048C General Physics Using Calculus I	4	**		COP 3330 Object Oriented Programming	3	**	
MATHEMATICAL - 6 SH				COP 3502C Computer Science I	3	**	
MAC 2311C Calculus with Analytic Geometry I	4	**		COP 3503C Computer Science II	3	**	
STA 3032 Probability & Statistics for Engineers	3			COP 4600 Operating Systems	3		
GPA Gen Ed Prog =	36			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		
ENGINEERING CORE**	<i>SH</i>	<i>Grd</i>	<i>Trans Equiv</i>	SUBTOTAL SEM HRS	71		
MAC 2311C Calculus with Analytic Geometry I	GEP	**		GPA Engr Option =			
MAC 2312 Calculus with Analytic Geometry II	4	**		(2.250 minimum)			
MAC 2313 Calculus with Analytic Geometry III	4	**		ADVISOR COMMENTS:			
MAP 2302 Ordinary Differential Equations I	3	**		~BS-MS students should choose (3 SH) 5000 level courses as electives.			
CHS 1440 Principles of Chemistry (or CHM 2045C)	4	**					
PHY 2048 & PHY 2048L General Physics Using Calculus I & Lab	GEP	**					
PHY 2049 & PHY 2049L General Physics Using Calculus II & Lab	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.