

BS Photonic Science & Engineering Course Audit 2021-2022

Fall Semester			Spring Semester			Summer Semester		
Year I								
MAC 2311C	Calculus I	4	ENG 1101	Composition I	3			
SPC 1608	Technical Presentation	3	EGN 1007C	Eng Concept and Methods	1			
EGS 1006C	Intro Eng Profession	1	MAC 2312	Calculus II	4			
CHS 1440	Principles of Chemistry	4	PHY 2048(L)	Physics I + Lab	4			
	Historical Foundations	3		Social Foundations	3			
		15			15			
Year II								
MAC 2313	Calculus III	4	MAP 2302	Differential Equations	3	EEL 3123C	Linear Circuits II	3
PHY 2049(L)	Physics II + Lab	4	EEL 3004C	Linear Circuits I	3	EEL 3350	Semiconductor Devices I	3
ENG 1102	Composition II	3	PHY 3101	Physics for Eng III	3		Social Foundation	3
EGN 3211	Eng. Analysis & Comp. <i>or</i>	3	STA 3032	Prob. and Stat. for Eng.	3			
PHZ 3150	Intro. to Numerical Comp.	3		Science Foundation	3			
		14			15			9
Year III								
OSE 3052(L)	Found. of Photonics + Lab	4	OSE 4410(L)	Optoelectronics + Lab	4			
EEE 3307C	Electronics 1	4	OSE 3053	EM Waves for Photonics	3			
OSE 3200(L)	Geometric Optics + Lab	4	OSE 4520(L)	Laser Engineering + Lab	4			
MAS 3105	Linear Algebra <i>or</i>	4	EEL 3552C	Signal Analysis and Comm.	4			
	RE (3) + OSE 4912 (1)	4			4			
		16			15			
Year IV								
OSE 4470(L)	Fiber Optic Comm. + Lab	4	OSE 4952	Senior Design II	3			
OSE 4830(L)	Imaging & Display + Lab	4		Restricted Elective	3			
OSE 4930	Frontiers of Photonics	3		Restricted Elective	3			
OSE 4951	Senior Design I	3		Cultural Foundations	3			
		14		Historical Foundations	3			
					15			
								Total Hours: 128

See Photonic Science & Engineering Advisor in CREOL 108B or email undergrad@creol.ucf.edu for personalized schedule planning or questions.

Restricted Electives (RE) (See audit for full list)

OSE 3043	Analytical Methods for Optics	3
OSE 4721	Biophotonics	3
OSE 4240	Introduction to Optical Design	3
OSE 4720	Visual Optics	3
OSE 4912	Directed Independent Research	1

See myKnight Audit for complete list

10



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