

## BS Photonic Science & Engineering Course Audit 2019-2020

Fall Semester			Spring Semester			Summer Semester		
<b>Year I</b>								
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 2048C	Physics I	4			
	Historical Foundations	3		Social Foundations	3			
		15			15			
<b>Year II</b>								
MAC 2313	Calculus III	4	MAP 2302	Differential Equations	3	EEL 3123C	Linear Circuits II	3
PHY 2049C	Physics II	4	EEL 3004C	Linear Circuits I	3	EEL 3350	Semiconductor Devices	3
ENG 1102	Composition II	3	PHY 3101	Physics for Eng III	3	STA 3032	Prob. and Stat. for Eng.	3
EGN 3211	Eng. Analysis & Comp.	3	OSE 3200	Geometric Optics + Lab	4			
		3		Science Foundation	3			
		14			16			9
<b>Year III</b>								
OSE 3052	Found. of Photonics + Lab	4	OSE 4410	Optoelectronics + Lab	4			
EEL 3552C	Signal Analysis and Comm.	4	OSE 3053	EM Waves for Photonics	3			
EEE 3307C	Electronics 1	4	OSE 4520	Laser Engineering + Lab	4			
	Cultural Foundations	3		Photonics Res. Elective	3			
		3		Restricted Elective	1			
		15			15			
<b>Year IV</b>								
OSE 4470	Fiber Optic Comm. + Lab	4	OSE 4952	Senior Design II	3			
OSE 4830	Imaging & Display + Lab	4		Restricted Elective	3			
OSE 4930	Frontiers of Photonics	3		Restricted Elective	3			
OSE 4951	Senior Design I	3		Social Foundation	3			
		3		Historical Foundations	3			
		14			15			
							<b>Total Hours: 128</b>	

See Photonic Science & Engineering Advisor in CREOL 108B or email [undergrad@creol.ucf.edu](mailto:undergrad@creol.ucf.edu) for personalized schedule planning or questions.

### Restricted Electives:

OSE 3043	Analytical Methods for Optics	3
OSE 4721	Biophotonics	3
OSE 4240	Optics & Photonics Design	3
OSE 4720	Visual Optics	3
OSE 4912	Directed Independent Research	1
See myKnight Audit for complete list		10



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