

## BS Photonic Science & Engineering Course Audit 2016-2017

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	Networks & Systems	4
PHY 2049C	Physics II	4	EEL 3004	Electrical Networks	3	EEL 3350	Semiconductor Devices I	3
ENG 1102	Composition II	3	EGN 3310	Eng Analysis & Statics	3		Social Foundation	3
EGN 3211	Eng Analysis & Comp.	3	PHY 3101	Physics for Eng III	3			
	Cultural Foundations	3		Science Foundations	3			
		17			15			10
<b>Year III</b>								
OSE 3052	Intro. to Photonics+Lab	4	STA 3032	Prob & Sta for Eng	3			
OSE 3200	Geometric Optics	3	OSE 4470	Fiber Optic Commun+Lab	4			
EGN 3321	Eng Analy-Dynamics or	3	OSE 4520	Laser Engineering+Lab	4			
EGN 3321	Thermo Fluids	3	OSE 3053	EM Waves for Photonics	3			
EEE 3307C	Electronics 1	4						
		14			14			
<b>Year IV</b>								
OSE 4410	Optoelectronics+Lab	4	OSE 4952	Senior Design II	3			
OSE 4951	Senior Design I	3	OSE 4380	Imaging & Display	4			
OSE 4930	Frontiers of Photonics	2		Photonics Res. Elective	3			
	Photonics Res. Elective	3		Historical Foundations	3			
	Photonics Res. Elective	3						
		15			13			
						<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 schedule planning or questions.

### Restricted Electives:

OSE 4721	Biophotonics	3
OSE 4240	Optics & Photonics Design	3
OSE 4720	Visual Optics	3
OSE 5312	Light Matter Interaction	3
EEL/PHY/Math 4XXX Courses		6
	<i>with approval</i>	max
		9



[www.creol.ucf.edu](http://www.creol.ucf.edu)