

## BS Photonic Science & Engineering Course Audit 2023-2024

Fall Semester			Spring Semester			Summer Semester		
<b>Year I</b>								
MAC 2311C	Calculus I	4	MAC 2312	Calculus II	4			
EGS 1006C	Intro Eng Profession	1	PHY 2048(L)	Physics I + Lab	4			
CHS 1440	Principles of Chemistry	4	EGN 1007C	Eng Concept & Methods <i>or</i>	1			
ENG 1101	Composition I	3	OSE 2050	Intro. To Photonic Eng. Des.	3			
	Historical Foundations	3	ENG 1102	Composition II	3			
		3		Social Foundations	3			
		<u>15</u>			<u>15</u>			
<b>Year II</b>								
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
STA 3032	Prob. and Stat. for Eng.	3	PHY 3101	Physics for Eng III	3		Social Foundation	3
EGN 3211	Eng. Analysis & Comp. <i>or</i>	3	SPC 1608	Technical Presentation	3			
PHZ 3150	Intro. to Numerical Comp.	3	MAS 3105	Linear Algebra ( <i>Restricted Elective</i> )	4			
		<u>14</u>			<u>16</u>			<u>9</u>
<b>Year III</b>								
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			
	Restricted Elective	3	EEL 3552C	Signal Analysis and Comm.	4			
		<u>15</u>			<u>15</u>			
<b>Year IV</b>								
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		Science Foundation	3			
OSE 4951	Senior Design I	3		Cultural Foundations	3			
		<u>14</u>		Historical Foundations	3			
		<u>14</u>			<u>15</u>			<b>Total Hours: 128</b>

See Photonic Science & Engineering Advisor in CREOL A213 or email [undergrad@creol.ucf.edu](mailto:undergrad@creol.ucf.edu) for personalized schedule planning or questions.

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

OSE 2050	Intro. to Photonic Eng. Design	1
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
EGS 1006C	Intro. to the Engineering Profession	1
EGN 1007C	Engineering Concepts & Methods	1



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