

Optical Science and Engineering PhD Plan of Study - Fall Start

First Semester (Fall)

Course		Type	Credits	Important Notes
OPTI8101	Mathematical Methods for Opt. Sc. & Engr.	Core course	3	- Passing 18 out of 24 Core credits with B or better is required
OPTI8102	Principles of Geometrical Optics	Core course	3	
OPTI8102L	Geometrical Optics Lab	Core course	3	
OPTI8105	Optical Properties of Materials	Core course	1	
OPTI8610	Graduate Seminar	Program requirement	1	
GRAD8990	Academic Intergrity	Grad School requirement	0	
Total			11	

Second Semester (Spring)

Course		Type	Credits	Important Notes
OPTI8103	Light Sources & Detectors	Core course	3	- Passing 18 out of 24 Core credits with B or better is required
OPTI8104	Electromagnetic Waves	Core course	3	
OPTI8106	Principles of Physical Optics	Core course	3	
OPTI8106L	Physical Optics Lab	Core course	2	
OPTI8611	Graduate Colloquium	Yearly Program requirement	1	
Total			12	

Third Semester (Fall)

Course		Type	Credits	Important Notes
	Doctoral Qualifying Examination	Program requirement		- Doctoral Qualifier Examination - Select Dissertation Advisor - File Plan of Study
OPTI8107	Responsible Conduct of Research	Grad School requirement	2	
OPTI8241	Optical System Function & Design	OPTI elective	3	
OPTI8611	Graduate Colloquium	Yearly Program requirement	1	
	Elective	Additional Elective	3	
Total			9	

Fourth Semester (Spring)

Course		Type	Credits	Important Notes
	Doctoral Qualifier Examination	Program requirement		- Doctoral Qualifier Examination (retake if necessary)
OPTI8206	Physical Optics Design & Simulation	OPTI elective	3	
OPTI8371	Solid State Materials	OPTI elective	3	
OPTI8XXX	Elective offered or Dissertation Research	OPTI elective/Program requirement	3	

Total 9**Fifth Semester (Fall)**

Course		Type	Credits	Important Notes
OPTI8XXX	Elective(s) or Dissertation Research	OPTI elective/Program requirement	6	- Form Dissertation Committee - Write Dissertation Proposal
OPTI8XXX	Elective offered or Dissertation Research	OPTI elective/Program requirement	3	- Multiple sections of Dissertation Research may be required

Total 9**Sixth Semester (Spring)**

Course		Type	Credits	Important Notes
OPTI8991	Dissertation Research	Program requirement	8	
OPTI8611	Graduate Colloquium	Program requirement	1	

Total 9**Seventh Semester (Fall)**

Course		Type	Credits	Important Notes
OPTI8991	Dissertation Research	Program requirement	9	- OPTI8991 multiple sections may be required - Minimum of 24 credits of OPTI8991 are required

Total 9**Eighth Semester (Spring)**

Course		Type	Credits	Important Notes
OPTI8991	Dissertation Research	Program requirement	8	- Dissertation Proposal Defense
OPTI8611	Graduate Colloquium	Program requirement	1	- Multiple sections of Dissertation Research may be required

Total 9

Ninth Semester (Fall)

Course		Type	Credits	Important Notes
OPT19800	Dissertation Enrollment (9 credit equiv.)	Program requirement	3	- Finalize Dissertation

Total 3

Tenth Semester (Spring)

Course		Type	Credits	Important Notes
GRAD9800	Dissertation Enrollment (9 credit equiv.)	Program requirement	3	- Dissertation Defense - Application for Degree Award

Total 3