

Course Structure for M.A. Program
, Graduate Institute of Electro-optical Engineering
National Taiwan Normal University

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
111	4.0	18.0	6.0	28.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

I. Required Courses: 4.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
OEC8159	1 E Seminar	2.0	2.0	0.0	This course must be retaken with a passing score for 2 times

II. Elective Courses: 0.0 credit is required

III. Courses Offered to Students in Different Divisions

Required Course, 0.0 credit is required

Elective Course: 18.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
OEC8012	1 E Laser Engineering	3.0	3.0	0.0	
OEC8112	2 E Principles And Applications of Ultrafast Optics	3.0	3.0	0.0	
OEC8117	3 E Physics and Applications of Nano-Magnetism (II)	3.0	3.0	0.0	
OEC8129	4 E Special Topics on Electro-optical System Measurement	3.0	3.0	0.0	
OEC8134	5 E Technology and Electronics for Next-Transistor	3.0	3.0	0.0	
OEC8139	6 E Modern Holography	3.0	3.0	0.0	
OEC8144	7 E Fourier Optics	3.0	3.0	0.0	
OEC8155	8 E Bio-Chips Manufacturing Technology	3.0	3.0	0.0	
OEC8162	9 E Electromagnetism in Electro-Optics	3.0	3.0	0.0	
OEC8163	10 E Optical Electronics	3.0	3.0	0.0	
OEC9006	11 E Design of Virtual Instruments	3.0	3.0	0.0	
OEC9100	12 E Introduction to Biophotonics	3.0	3.0	0.0	
OEC9101	13 E Semiconductor Materials and Processing	3.0	3.0	0.0	
OEC9103	14 E Solid-State Physics	3.0	3.0	0.0	
OEC9105	15 E Semiconductors for Electro-Optics	3.0	3.0	0.0	
OEC9108	16 E Applications of Lasers	3.0	3.0	0.0	
OEC8164	17 E Optical Properties of Solids	3.0	3.0	0.0	
OEC8013	18 E Introduction to Optoelectronic Devices	3.0	3.0	0.0	
OEC8124	19 E Optical Pattern Processing	3.0	3.0	0.0	
OEC9111	20 E Advanced Optical Microscopy Technologies	3.0	3.0	0.0	

IV. Free Elective Credits: 6.0 credits are required