

MS IN APPLIED OPTICS –THESIS OPTION

Year 1 / Semester 1			Year 1 / Semester 2		
Course	Course Name	Cr	Course	Course Name	Cr
PHYS-600*	Modern Optics	3	PHYS 601*	Nonlinear Optics	3
PHYS-671*	Advanced Electromagnetic Theory I	3	PHYS	Advanced Electromagnetic Theory II	3
PHYS-563*	Mathematical Methods in Physics III	3	PHYS	Mathematical Methods of Physics IV	3
	Total Credits	9		Total Credits	9

Year 2 / Semester 3			Year 2 / Semester 4		
Course	Course Name	Cr	Course	Course Name	Cr
PHYS 605*	Principles of Lasers & Optical Devices	3	PHYS 695*	Thesis Research	3
PHYS 675*	Quantum Mechanics I	3	PHYS	Modern Laser Spectroscopic Methods	3
	Total Credits	6		Total Credits	6
			Total Credits: 30		

\*Denotes a Core Requirement

+Denotes an elective

Total Core Credits = 30

Total Elective Credits = 0

Candidacy Requirement: Proposal Defense with Thesis Committee and Complete 15 credits of course work with GPA  $\geq$  3.0, submission of candidacy application with research proposal to School of Graduate Studies

Capstone or Culminating Experience: Public Thesis presentation and oral defense of Research Thesis