

EXTREME ULTRAVIOLET AND OPTICAL SCIENCE AND TECHNOLOGY GRADUATE INTERDISCIPLINARY STUDIES PROGRAM

Requirements Effective Fall 2008

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Core Courses		
ECE 504	Physical Optics	3
ECE 650	Extreme Ultraviolet and Soft X-Ray Radiation	3
Elective Courses		
Select 9 credits from the following:		9
BC 511	Structural Biology I	
BC 565	Molecular Regulation of Cell Function	
BC 611	Structural Biology II	
CHEM 532	Advanced Chemical Analysis II	
CHEM 563A	Physical Methods in Inorganic Chemistry: Group Theory	
CHEM 571A	Quantum Chemistry: Foundations	
CHEM 571B	Quantum Chemistry: Electronic Structure	
CHEM 773	Atomic and Molecular Spectroscopy	
ECE 503	Ultrafast Optics	
ECE 505	Nanostructures: Fundamentals and Applications	
ECE 506	Optical Interferometry and Laser Metrology	
ECE 507	Plasma Physics and Applications	
ECE 546	Laser Fundamentals and Devices	
MATH 560	Linear Algebra	
PH 451	Introductory Quantum Mechanics I	
PH 452	Introductory Quantum Mechanics II	
PH 521	Introduction to Lasers	
PH 522	Introductory Laser Laboratory	
PH 572	Mathematical Methods for Physics II	
PH 641	Electromagnetism I	
PH 642	Electromagnetism II	
PH 651	Quantum Mechanics I	
PH 652	Quantum Mechanics II	
Program Total Credits:		15