

COMPUTATIONAL PHYSICS MAJOR

Code	Title	SHs
Lower Division Requirements		
CS 210	Introduction to Programming	3.00
CS 310	Data Structures	3.00
CS 324	Algorithms and Analysis	3.00
CS 390	Principles of Programming Languages	3.00
MT 320	Introduction to Discrete Mathematics	3.00
MT 360A	Calculus I	4.00
MT 360B	Calculus II	4.00
MT 360C	Calculus III	4.00
PH 304A	General Physics with Calculus I	3.00
PH 305A	General Physics with Calculus I Lab	1.00
PH 304B	Gen Physics with Calculus II	3.00
PH 305B	General Physics With Calculus II Lab	1.00
Upper Division Requirements		
MT 405	Numerical and Computational Methods	3.00
MT 463	Differential Equations	3.00
PH 408	Analytical Mechanics/Special Relativity	3.00
PH 410	Electricity and Magnetism	3.00
PH 451	Modern Physics Laboratory & Seminar	2.00
PH 460	Quantum Theory & Spectroscopy	3.00
PH 465	Statistical Mechanics & Thermodynamics	3.00
PH 475	Physics Capstone Seminar	1.00
Upper division electives selected in consultation with major advisor.6.00 May include 400-level computer science (CS) course or physics (PH) courses		
Total SHs		62