

Computational Physics Major Adviser's Data Sheet

Name of Student _____ High School _____
 Home Address _____ ACT (Composite Score) _____

Physics Major (B.S.) with Computational Physics Concentration Option 1: Beginning Fall Semester Odd Years

FRESHMAN YEAR (odd year fall, even year spring)			
Fall Semester		Spring Semester	
ENG 1001G, Composition	3	ENG 1002G, Literature	3
MAT 1441G, Calculus 1	5	MAT 2442, Calculus 2	5
PHY 1351G, Mechanics	3	PHY 1361, Thermo/Electricity/Magnetism	3
PHY 1352G, Lab I	1	PHY 1362, Lab II	1
CHM 1310G, Chemistry 1	3	Social Science, Humanities, or Fine Arts (G)	3
CHM 1315G, Chemistry 1 Lab	1	PHY 1001, Intro to Physics & Engineering	1
	16		16
SOPHOMORE YEAR (even year fall, odd year spring)			
Fall Semester		Spring Semester	
MAT 2443, Calculus 3	4	MAT 3501, Differential Equations I	3
PHY 1371, Waves/Sound/Optics/Modern	3	PHY 2450, Classical Dynamics	3
PHY 1372, Lab III	1	MAT 2550, Linear Algebra	3
CSM 2170, Computer Science I	4	CMN 1310	3
Social Science, Humanities, or Fine Arts (G)	3	CSM 2670, Computer Science II	4
	15		16
JUNIOR YEAR (odd year fall, even year spring)			
Fall Semester		Spring Semester	
Social Science, Humanities or Fine Arts (G)	3	Social Science, Humanities or Fine Arts (G)	3
Social Science, Humanities or Fine Arts (G)	3	Elective	1
PHY 4711, Experimental Lab	1	CSM 3570, Numerical Analysis	3
PHY 4855, Quantum Mechanics	3	PHY 4320, Computational Physics	4
PHY 4000, Seminar in Physics	1	PHY Elective (Recommend 4865, 4601)	3
PHY 4750, Thermodynamics and Stat. Mech.	3		14
	14		
SENIOR YEAR (even year fall, odd year spring)			
Fall Semester		Spring Semester	
PHY 3410, Electricity & Magnetism I	3	PHY 3420, Electricity and Magnetism II	4
PHY 4601, Research in Physics	1	PHY Elective (Recommend 4100, 4601)	3
Senior Seminar	3	Scientific Awareness BIO Gen Ed	3
Elective	3	Social Science, Humanities or Fine Arts (G)	3
PHY Elective (Recommend 4470)	4	Elective	2
	14		15

Computational Physics Major Adviser's Data Sheet

Name of Student _____
Home Address _____

High School _____
ACT (Composite Score) _____

Physics Major (B.S.) with Computational Physics Concentration Option 1: Beginning Fall Semester Even Years

FRESHMAN YEAR (even year fall, odd year spring)			
Fall Semester		Spring Semester	
ENG 1001G, Composition	3	ENG 1002G, Literature	3
MAT 1441G, Calculus 1	5	MAT 2442, Calculus 2	5
PHY 1351G, Mechanics	3	PHY 1361, Thermo/Electricity/Magnetism	3
PHY 1352G, Lab I	1	PHY 1362, Lab II	1
CHM 1310G, Chemistry 1	3	Social Science, Humanities, or Fine Arts (G)	3
CHM 1315G, Chemistry 1 Lab	1	PHY 1001, Intro to Physics & Engineering	1
	16		16
SOPHOMORE YEAR (odd year fall, even year spring)			
Fall Semester		Spring Semester	
MAT 2443, Calculus 3	4	MAT 3501, Differential Equations I	3
PHY 1371, Waves/Sound/Optics/Modern	3	PHY 2450, Classical Dynamics	3
PHY 1372, Lab III	1	MAT 2550, Linear Algebra	3
CSM 2170, Computer Science I	4	CMN 1310	3
Social Science, Humanities, or Fine Arts (G)	3	CSM 2670, Computer Science II	4
	15		16
JUNIOR YEAR (even year fall, odd year spring)			
Fall Semester		Spring Semester	
PHY 3410, Electricity & Magnetism I	3	PHY 3420, Electricity and Magnetism II	4
PHY 4711, Experimental Lab	1	PHY Elective (Recommend 4100, 4601)	3
Social Science, Humanities or Fine Arts (G)	3	Scientific Awareness BIO Gen Ed	3
PHY Elective (Recommend 4470, 4601)	4	CSM 3570, Numerical Analysis	3
Elective	3	Elective	2
	14		15
SENIOR YEAR (odd year fall, even year spring)			
Fall Semester		Spring Semester	
Social Science, Humanities or Fine Arts (G)	3	Social Science, Humanities or Fine Arts (G)	3
Senior Seminar	3	Social Science, Humanities or Fine Arts (G)	3
PHY 4601, Research in Physics	1	PHY 4320, Computational Physics	4
PHY 4855, Quantum Mechanics	3	PHY Elective (Recommend PHY 4865, 4601)	3
PHY 4000, Physics Seminar	1	PHY 4601, Research in Physics	1
PHY 4750, Thermodynamics and Stat. Mech.	3		14
	14		