

Physics: Computational Physics Option Adviser's Data Sheet

Name of Student _____
 Home Address _____

High School _____
 ACT (Composite Score) _____

**Physics Major (B.S.)
 Computational Physics Option
 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 I	5	MAT 2442, Calculus II	5
PHY 1351G, General Physics I	3	PHY 1361, General Physics II	3
PHY 1352G, General Physics I Lab	1	PHY 1362, General Physics II Lab	1
CHM 1310G, Chemistry I	3	Social Science, Humanities, or Fine Arts (G)	3
CHM 1315G, Chemistry I 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 III	4	MAT 3501, Differential Equations I	3
PHY 1371, General Physics III	3	PHY 2450, Classical Dynamics	3
PHY 1372, General Physic III Lab	1	MAT 2550, Introduction to Linear Algebra	3
CSM 2170, Computer Science I	4	PHY 4711, Experimental Physics I	1
CMN 1310G, Intro to Speech Communication	3	CSM 2670, Object Oriented Programming	4
	15		14
JUNIOR YEAR (odd year fall, even year spring)			
Fall Semester		Spring Semester	
CSM 3570, Numerical Analysis	3	Social Science, Humanities or Fine Arts (G)	3
PHY 4855, Quantum Mech & Atomic Physics I	3	Social Science, Humanities or Fine Arts (G)	3
PHY 4750, Thermodynamics & Statistical Mech.	3	PHY 4320, Computational Physics	4
PHY Elective (Recommend 3150)	4	PHY Elective (Recommend 4865)	3
Elective (Recommend CSM 3670 or EEN 4601)	3	PHY 4601, Research in Physics	1
	16		14
SENIOR YEAR (even year fall, odd year spring)			
Fall Semester		Spring Semester	
Social Science, Humanities or Fine Arts (G)	3	PHY Elective (Recommend 4100, 4780)	3
Social Science, Humanities, or Fine Art (G)	3	PHY 3420, Electricity and Magnetism II	4
Senior Seminar	3	PHY Elective (Recommend 4601)	1
PHY 3415, Electricity & Magnetism I w/lab	4	Scientific Awareness BIO Gen Ed	3
PHY 4000, Seminar	1	Social Science, Humanities or Fine Arts (G)	3
PHY Elective (Recommend 4601)	1		
	15		14

Physics: Computational Physics Option Adviser's Data Sheet

Name of Student _____
 Home Address _____

High School _____
 ACT (Composite Score) _____

**Physics Major (B.S.)
 Computational Physics Option
 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 I	5	MAT 2442, Calculus II	5
PHY 1351G, General Physics I	3	PHY 1361, General Physics II	3
PHY 1352G, General Physics I Lab	1	PHY 1362, General Physics II Lab	1
CHM 1310G, Chemistry I	3	Social Science, Humanities, or Fine Arts (G)	3
CHM1315G, Chemistry I 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 III	4	MAT 3501, Differential Equations I	3
PHY 1371, General Physics III	3	PHY 2450, Classical Dynamics	3
PHY 1372, General Physic III Lab	1	MAT 2550, Introduction to Linear Algebra	3
CSM 2170, Computer Science I	4	PHY 4711, Experimental Physics I	1
PHY Elective (Recommend 3150)	4	CSM 2670, Object Oriented Programming	4
	16		14
JUNIOR YEAR (even year fall, odd year spring)			
Fall Semester		Spring Semester	
CMN 1310G, Intro to Speech Communication	3	PHY Elective (Recommend 4100, or 4780)	3
PHY 3415, Electricity & Magnetism I w/lab	4	PHY 3420, Electricity & Magnetism II	4
Elective (Recommend CSM 3670 or EEN 4601)	3	Social Science, Humanities or Fine Arts (G)	3
PHY 4601, Research in Physics	1	PHY Elective (Recommend 4601)	1
CSM 3570, Numerical Analysis	3	Social Science, Humanities or Fine Arts (G)	3
	14		14
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 4855, Quantum Mech & Atomic Physics I	3	PHY Elective (Recommend 4865)	3
PHY 4000, Seminar	1	Scientific Awareness BIO Gen Ed	3
PHY Elective (Recommend 4601)	1	PHY 4320, Computational Physics	4
PHY 4750, Thermodynamics & Statistical Mech.	3		
	14		16