

**Bachelor of Science in Physics
Version: Summer 2008**

Check Sheet

Student Name _____ **Advisor Name** _____

Key: E – every semester, F – fall semester, S – spring semester, OF – fall of odd years, OS – spring of odd years, EF – even fall, ES – even spring

•Course Requirements	Semester	Semester	Grade
Core (45 credit hours)	Planned	Taken	
•CSC-280 Intro to Computer Science I (4) F	_____	_____	_____
•MATH-221 Calculus I (4) E	_____	_____	_____
•MATH-222 Calculus II (4) E	_____	_____	_____
•MATH-313 Calculus III (4) E	_____	_____	_____
•MATH-321 Differential Equations (3) F	_____	_____	_____
•PHYS-110/PHYS-110G F University Physics I 5:1 (4)	_____	_____	_____
•PHYS-210/PHYS-210G F University Physics II 5:2 (4)	_____	_____	_____
•PHYS-365 Waves and Optics (3) S	_____	_____	_____
•PHYS-370 Modern Physics (3) F	_____	_____	_____
•PHYS-430 Classical Mechanics (3) OF	_____	_____	_____
•PHYS-440 Experimental Physics (3) OS	_____	_____	_____
•PHYS-450 Electricity and Magnetism (3) ES	_____	_____	_____
•PHYS-470 Intro to Quantum Mechanics (3) OS	_____	_____	_____

Tracks (12 credit hours)

Chemical Physics

Prerequisite: CHEM-210/CHEM-210G General Chemistry II 5:2 (4)

•12 credit hours from the following:			
CHEM-310 Organic Chemistry I (3)	_____	_____	_____
CHEM-312 Organic Chemistry I Lab (1)	_____	_____	_____
CHEM-320 Organic Chemistry II (3)	_____	_____	_____
CHEM-322 Organic Chemistry II Lab (1)	_____	_____	_____
CHEM-350 Quantitative Analysis (3)	_____	_____	_____
CHEM-351 Quantitative Analysis Lab (2)	_____	_____	_____
CHEM-410 Biophysical Chemistry (3)	_____	_____	_____
CHEM-411 Biophysical Chemistry Lab (1)	_____	_____	_____
CHEM-460 Instrumental Analysis (3)	_____	_____	_____
CHEM-461 Instrumental Analysis Lab (2)	_____	_____	_____

	Semester Planned	Semester Taken	Grade
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Computational Physics

•12 credit hours from the following:

CSC-281 Intro to Computer Science II (3)	_____	_____	_____
CSC-330 Org. of Computer Science (4)	_____	_____	_____
CSC-432 Intro to Simulation and Modeling (3)	_____	_____	_____
CSC-520 Algorithms and Data Structures (3)	_____	_____	_____
CSC-543 Object-Oriented Analysis and Design (3)	_____	_____	_____

Traditional Physics

•12 credit hours from the following:

MATH-310 Linear Algebra (3) E	_____	_____	_____
MATH-550 Complex Analysis (3) OF	_____	_____	_____
MATH-551 Partial Differential Equations (3) OS	_____	_____	_____
PHYS-220/PHYS-220G Astronomy 5:2 (3) E	_____	_____	_____
PHYS-230/PHYS-230G Changing Views of The Universe 2:2 (3) E	_____	_____	_____
PHYS-305 Acoustics (3) OF	_____	_____	_____
PHYS-312 Electronics I (3) EF	_____	_____	_____
PHYS-313 Electronics II (3) ES	_____	_____	_____
PHYS-322 Electronics Lab I (2) OF	_____	_____	_____
PHYS-323 Electronics Lab II (2) OS	_____	_____	_____

Note: Other courses (including internships, undergraduate research courses, and independent studies) can be approved by the physics advisor.