

B.S. in Physics Course Requirements

Student: _____

Advisor: _____

Date: _____

(Indicate semester taken.)

CHEM 111	_____
CHEM 112	_____
MATH 170 (Calculus I)	_____
MATH 175 (Calculus II)	_____
MATH 275 (Calculus III)	_____
MATH 240 (Linear Algebra)	_____
MATH 360 (Diff Eqs)	_____
PHYS 461 (Math Phys I)	_____
PHYS 462 (Math Phys II)	_____
PHYS 211 (Engineering Physics I)	_____
PHYS 212 (Engineering Physics II)	_____
PHYS 213 (Eng. Phys Lab I)	_____
PHYS 214 (Eng. Phys Lab II)	_____
PHYS 301 (Modern)	_____
PHYS 313 (Intermediate Lab)	_____
PHYS 403 (Advanced Modern I)	_____
PHYS 404 (Advanced Modern II)	_____
PHYS 406 (Senior Project)	_____
PHYS 416 (Intro to Nuc. Meas.)	_____
PHYS 421 (E&M I)	_____
PHYS 422 (E&M II)	_____
PHYS 483 (Theoretical Mechanics)	_____
PHYS 492 (Colloquium)	_____

6 ADDITIONAL 400 –LEVEL PHYS CREDITS

Note: PHYS481 can be substituted for PHYS406 on approval of Chair.

Note: MATH240 is replacing MATH 230 (2 credits) and MATH330 effective Fall 2008

Goal Classes for B.S. in Physics

(Indicate course and semester taken.)

Goal 1 (written English) _____

Goal 2 (spoken English) _____

Goal 3 _____

Goal 4 _____

Goal 5 _____

or

12 hours in physical sciences or 12 hours in biological sciences

Two of the following:

Goal 6 _____

Goal 7 _____

Goal 8 _____

Three of the following:

Goal 9 _____

Goal 10A _____

Goal 10B _____

Goal 11 _____

Goal 12 _____

Semesters when classes are normally offered

Required

CHEM 111	_____	Fall, Spring
CHEM 112	_____	Spring, Summer
MATH 170 (Calculus I)	_____	Fall, Spring, Summer
MATH 175 (Calculus II)	_____	Fall, Spring, Summer
MATH 275 (Calculus III)	_____	Fall, Spring
MATH 240 (Linear Algebra)	_____	Fall, Spring
MATH 360 (Diff Eqs)	_____	Fall, Spring, Summer on demand
PHYS 461 (Math Phys I)	_____	Fall
PHYS 462 (Math Phys II)	_____	Spring
PHYS 211 (Engineering Physics I)	_____	Fall
PHYS 212 (Engineering Physics II)	_____	Spring
PHYS 213 (Eng. Phys Lab I)	_____	Fall
PHYS 214 (Eng. Phys Lab II)	_____	Spring
PHYS 301 (Modern)	_____	Fall
PHYS 313 (Intermediate Lab)	_____	Fall
PHYS 403 (Advanced Modern I)	_____	Spring
PHYS 404 (Advanced Modern II)	_____	Fall
PHYS 406 (Senior Project)	_____	Fall, Spring
PHYS 416 (Intro to Nuc. Meas.)	_____	Spring
PHYS 421 (E&M I)	_____	Fall
PHYS 422 (E&M II)	_____	Spring
PHYS 483 (Theoretical Mechanics)	_____	Fall
PHYS 492 (Colloquium)	_____	Fall, Spring

Electives, not required

PHYS442(Solid State)	_____	Even Falls
PHYS452(Optics)	_____	Even Springs
PHYS415(Stat. Phys)	_____	Odd Falls
PHYS453(Astro)	_____	Odd Springs
PHYS488(Radiobio)	_____	Even Falls

Other Undergraduate Physics classes

PHYS100	_____	Fall, Spring
PHYS101	_____	Fall, Spring
PHYS111	_____	Fall
PHYS112	_____	Spring
PHYS113	_____	Fall
PHYS114	_____	Spring
PHYS152	_____	Fall, Spring, Summer
PHYS153	_____	Fall, Spring, Summer
PHYS325	_____	Fall, Spring
PHYS400	_____	Spring
PHYS405/505	_____	on demand
PHYS481 (Physics of Music)	_____	Fall 2008
PHYS299	_____	Spring

Standard Schedule for B.S. in Physics

Fall of 1st Year

CHEM111	5
MATH170	4

Spring of 1st Year

CHEM112	4
MATH175	4
MATH240 – Linear Algebra	3

Fall of 2nd Year

Math 275	4
PHYS211	4
PHYS213	1

Spring of 2nd Year

PHYS212	4
PHYS214	1
MATH360	3

Fall of 3rd Year

PHYS301 - Modern Physics	3
PHYS313 – Intermediate Lab I	2
PHYS461 – Math Physics I	3
PHYS483 –Theoretical Mechanics	4

Spring of 3rd Year

PHYS403 – Advanced Modern Physics I	3
PHYS462 – Math Physics II	3
PHYS416 –Rad. Detect and Meas	3

Fall of 4th Year

PHYS404 – Advanced Modern II	3
PHYS421 – E&M I	3
PHYS406 – Advanced Physics Lab II	2

Spring of 4th Year

PHYS422 – E&M II	3
PHYS492 – Colloquium	1