

PHYSICS  
SECONDARY EDUCATION  
(SEE YOUR DEPARTMENT FOR SPECIFIC ADVISORY INFORMATION)  
**CHECK LIST**

NAME \_\_\_\_\_ ID# \_\_\_\_\_ DATE \_\_\_\_\_

**I. GENERAL EDUCATION REQUIREMENTS**Group I - 15 hours Sm/Yr Grade

- A. ENGL 101\* Composition I 3 \_\_\_\_\_  
 ENGL 102\* Composition II 3 \_\_\_\_\_  
 Literature 3 \_\_\_\_\_
- B. 6 hrs in two different depts.: ART, CMAT or THEA,  
 DANC, MDFL, MUSC, PHIL 3 \_\_\_\_\_  
 CMAT 250\* 3 \_\_\_\_\_

Group II - 15 hours

- A. HIST 101 World Civilizations 3 \_\_\_\_\_  
 HIST 102 World Civilizations 3 \_\_\_\_\_
- B. 9 HOURS IN THREE DIFFERENT DEPTS.: ANTH.,  
 ECON., ENVR, HISTORY, **HUMAN** GEOG., POSC,  
 PSYC, SOCI. OR CADR 3 \_\_\_\_\_

PSYC 101 Gen. Psychology 3 \_\_\_\_\_  
 \_\_\_\_\_ 3 \_\_\_\_\_  
 \_\_\_\_\_ 3 \_\_\_\_\_

Group III - 12 hours

Satisfied by Major

Group IV - 3 hours

PHEC 106 Health/Fitness 3 \_\_\_\_\_

**II. PRE-PROFESSIONAL REQUIREMENTS - 6 hrs**

EDUC 210\* SCHL Divers Soc. 3 \_\_\_\_\_  
 EDUC 300\* Dev. Lrn & Asmt. 3 \_\_\_\_\_

**III. ACADEMIC MAJOR REQUIREMENTS**Physics Core Courses - 24 hrs Sm/Yr Grade

PHYS 221\* Physics I 4 \_\_\_\_\_  
 PHYS 223\* Physics II 4 \_\_\_\_\_  
 PHYS 309\* Math Physics 3 \_\_\_\_\_  
 PHYS 311\* Electronics 4 \_\_\_\_\_  
 PHYS 313\* Modern Physics 3 \_\_\_\_\_  
 PHYS 314\* Mechanics 3 \_\_\_\_\_  
 PHYS 315\* Electricity & Magn. 3 \_\_\_\_\_

Additional Physics Courses - 7 hrs

PHYS 108\* Astronomy 4 \_\_\_\_\_  
 PHYS 407\* Senior Lab 3 \_\_\_\_\_

Mathematics Courses - 16 hrs

MATH 201\* Calculus I 4 \_\_\_\_\_  
 MATH 202\* Calculus II 4 \_\_\_\_\_  
 MATH 310\* Calculus III 4 \_\_\_\_\_  
 MATH 311\* Diff Eqns 4 \_\_\_\_\_

Chemistry Courses - 11 hrs

CHEM 121\* Gen Chem I 4 \_\_\_\_\_  
 CHEM 122\* Gen Chem II 4 \_\_\_\_\_  
 CHEM 207\* Lab Safety 1 \_\_\_\_\_  
 CHEM 212\* Chem of Elements 2 \_\_\_\_\_

Geography Course - 4 hrs

GEOG 103\* Physical Geology 4 \_\_\_\_\_  
 Or GEOG 105\* Phys Geography 4 \_\_\_\_\_  
 Or GEOG 201\* Weather & Climate 4 \_\_\_\_\_

Environmental Health Course - 3 hrs

ENVH 110\* Intro Envirn Science 3 \_\_\_\_\_

**COMPETENCY TEST (Praxis I)**

Reading (177/325) Score \_\_\_\_\_  
 Writing (173/319) Score \_\_\_\_\_  
 Mathematics (177/322) Score \_\_\_\_\_

**IV. PROFESSIONAL PROGRAM**A student is eligible for the Methods Semester after

- Completed an application for formal admission to the Professional Program.
- Completing at least 56 Credits with a minimum GPA of 2.5, including transfer credit.
- Having a minimum GPA of 2.75 in the academic major, including transfer credits.
- Passing the required competency tests.
- Furnishing 3 recommendations from faculty in departments other than the Education Department.
- Completing 12 credits in major field.

METHODS -10 or 12 hoursSpring Semester Junior Year

EDUC 319\* Technology in Educ 1 \_\_\_\_\_  
 Or EDUC 318 Computers in Educ or 3 \_\_\_\_\_  
 SCED 339 Sec/K-12 Meth Visit 0 \_\_\_\_\_  
 SCED 367\* Includ Instr Sec Tchr 3 \_\_\_\_\_  
 SCED 374\* Science & Reading I 3 \_\_\_\_\_

Fall Semester Senior Year

SCED 339 Sec/K-12 Meth Visit 0 \_\_\_\_\_  
 SCED 474\* Science & Reading II 3 \_\_\_\_\_

A student is eligible for Internship after

- Completing the methods semesters with a minimum GPA of 2.75 in all professional education courses (with no grade below C) including transfer courses.
- Completing 90 credits with a minimum overall GPA of 2.5, including transfer credit.
- Having a minimum GPA of 2.75 in the academic major, including transfer credit.
- Furnishing 2 recommendations from faculty in the Education Department and 1 from the major advisor.

INTERNSHIP - 15 hours

SCED 426 & 428 Directed Tchg Sec 1 2 \_\_\_\_\_  
 SCED 433\* Reflect Inquiry 3 \_\_\_\_\_

**V. GRADUATION** Overall G.P.A. \_\_\_\_\_

- Praxis II taken: (date) \_\_\_\_\_ Content Knowledge  
 (date) \_\_\_\_\_ Pedagogy

*Courses must be completed with grades of C or Better.
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NOTE: SEE ADVISOR FOR DETAILED ADVICE

MUST COMPLETE 30 HOURS AT THE 300/400 LEVEL WITH A GRADE OF "C" OR BETTER.

129 -131 Credit Hours are required for this program.

Additional Recommended Courses:

PHYS 316 Quantum Mechanics  
 COSC 120 Computer Programming  
 ENGR 100 Introduction to Engineering

**PHYSICS SECONDARY EDUCATION TRACK**  
(Suggested Curriculum Guide)

**Freshman Year**

Fall Semester			Spring Semester		
PHYS 221	Physics I	4	PHYS 223	Physics II	4
MATH 201	Calculus I	4	MATH 202	Calculus II	4
PHYS 108	Astronomy	4	PSYC 101	General Psychology	3
ENGL 101	Composition I	<u>3</u>	ENGL 102	Composition II	3
		15	HIST 101	World Civilizations	<u>3</u>
					17

**Sophomore Year**

Fall Semester			Spring Semester		
PHYS 309	Math Physics	3	PHYS 311	Electronics	4
MATH 310	Calculus III	4	PHYS 313	Modern Physics	3
CHEM 121	Gen Chemistry I	4	MATH 311	Differential Equations	4
CMAT 250	Instructional Communication	3	HIST 102	World Civilizations	3
EDUC 210#	School in Diverse Society	3	EDUC 300#	Dev, Lrning, Assessment	3
or EDUC 300#	Dev, Lrning, Assessment	<u>3</u>	or EDUC 210#	School in Diverse Society	<u>3</u>
		17			17

#field experience in Middle School or High School (choose level that you will not student teach)

**Junior Year**

Fall Semester			Spring Semester		
PHYS 314	Mechanics	3	CHEM 207	Lab Safety	1
*PHYS 407	Senior Lab	3	CHEM 212	Chem of Elements	2
or PHYS 315	Electricity & Magnetism	3	ENVH 110	Intro Environmental Sci	3
CHEM 122	Gen Chemistry II	4	EDUC 319(or318)	Technology in Educ	1 or 3
PHEC 106	Pers Health/Fitness	3	SCED 367	Inclus. Instruct Sec.	3
Gen Ed IIB		<u>3</u>	SCED 374	Science & Read Meth I	3
		16	SCED 339+	Sec/K-12 Methods Visits	0
			Gen Ed IB		<u>3</u>
					16 or 18

+field experience in Middle School or High School (choose level that you will student teach)

\* offered every other year

**Senior Year**

Fall Semester			Spring Semester		
PHYS 315	Electricity & Magnetism	3	SCED 426		
or *PHYS 407	Senior Lab	or 3	& SCED 428	Directed Teaching Sec	12
GEOL 103	Phys Geology	4	SCED 433	Reflect & Inquiry Teaching	<u>3</u>
or GEOG 105	Phys Geography	or 4			15
or GEOG 201	Weather & Climate	or 4			
SCED 474	Science & Read Meth II	3			
SCED 339+	Sec/K-12 Methods Visits	0			
Gen Ed 1A	Literature	3			
Gen Ed IIB		<u>3</u>			
		16			

+field experience in Middle School or High School (choose level that you will student teach)

\* offered every other year

5/15/07

