

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

NAME _____ ID# _____ DATE _____

I. GENERAL EDUCATION REQUIREMENTS**GROUP I: English and Literature 2 Courses Sm/Yr**

- Grade _____
- A. ENGLISH 103 (C or Better) 4 _____
HONORS 111 (if in Honors Program)
- B. LITERATURE (in either English or Modern Languages) 4 _____

GROUP II: History - 2 COURSES

- A. HISTORY 101, 102 or 103 4 _____
- B. HISTORY 101, 102, 103 or a History Course above 103 4 _____

GROUP III: Humanities and Social Sciences – 3 COURSES FROM 3 DIFFERENT AREAS

- A. **Select one course from one of the following six areas:**
Art, Communication, Dance OR Theater Arts, Modern Languages, Music, Philosophy. (HONR 211 if in Honors Program)
CMAT 250 _____ 4 _____
- B. **Select one course from one of the following six areas:**
Anthropology, Conflict Analysis and Dispute Resolution OR Sociology, Economics, Human Geography, Political Science, Psychology. (HONR 112 if in Honors Program)
PSYC 10 _____ 4 _____
- C. **Select one course from either Group III A or III B (course may not be from the same area selected for III A or III B)**
_____ 3/4 _____

GROUP IV: Natural Science, Math and Computer Science – 4 COURSES SATISFIED BY MAJOR**GROUP V: Health Fitness – 1 COURSE**

- Complete 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 212* Chem of Elements 2 _____
- CHEM 207* Lab Safety 1 _____

Geography Course - 4 hrs

- GEOG 103* Physical Geology 4 _____
- Or GEOG 104* Phys Geography

Environmental Health Course - 3 hrs

- ENVH 110* Intro Environ 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
1. Completed an application for formal admission to the Professional Program.
 2. Completing at least 56 Credits with a minimum GPA of 2.5, including transfer credit.
 3. Having a minimum GPA of 2.75 in the academic major, including transfer credits.
 4. Passing the required competency tests.
 5. Furnishing 3 recommendations from faculty in departments other than the Education Department.
 6. Completing 12 credits in major field.

METHODS -10 or 12 hours**Spring 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 374* Science & Reading I 3 _____

Fall Semester Senior Year

- SCED 339 Sec/K-12 Meth Visit 0 _____
- SCED 367* Includ Instr Sec Tchr 3 _____
- SCED 474* Science & Reading II 3 _____

A student is eligible for Internship after

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

INTERNSHIP - 15 hours

- SCED 426 & 428 Directed Tchg Sec 12 _____
- SCED 433* Reflect Inquiry 3 _____

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

1. Praxis II taken:
(date) _____ Content Knowledge
(date) _____ Pedagogy

*Courses must be completed with grades of C or Better.

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 Science I
- ENGR 100 Introduction to Engineering

PHYSICS SECONDARY EDUCATION TRACK

(Suggested Curriculum Guide)

Freshman Year

Fall Semester		Spring Semester	
PHYS 108	4	PHYS 223	4
PHYS 221	4	MATH 202	4
MATH 201	4	HIST 101 or 102	4
ENGL 103	4	PSYC 101	<u>4</u>
GENL 001	<u>0</u>		16
	16		

Sophomore Year

Fall Semester		Spring Semester	
PHYS 309	3	PHYS 311	4
MATH 310	4	PHYS 313	3
CHEM 121	4	MATH 311	4
CMAT 250	4	EDUC 300#	
EDUC 210#		or EDUC 210#	<u>3</u>
or EDUC 300#	<u>3</u>		14
	18		

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

Junior Year

Fall Semester		Spring Semester	
PHYS 314	3	CHEM 207	1
*PHYS 407		CHEM 212	2
or PHYS 315	3	ENVH 110	3
CHEM 122	4	EDUC 319 (or318)	1 or 3
PHEC 106	3	SCED 374	3
Gen Ed III C	<u>4</u>	SCED 339+	0
	17	HIST XXX	<u>4</u>
			14 or 16

+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		SCED 426	
or *PHYS 407	3	& SCED 428	12
GEOL 103		SCED 433	<u>3</u>
or GEOG 104	4		15
SCED 339+	0		
SCED 367	3		
SCED 474	3		
LITERATURE	<u>4</u>		
	17		

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

* offered every other year

