

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

NAME _____ ID _____ DATE _____

GROUP I: English and Literature - 2 COURSES

- A. ENGLISH 103 (Grade of "C" or better) **OR** HONORS 111 (if in Honors Program) 4 _____
 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. CMAT 250 4 _____
 B. PSYCH 101 4 _____
 C. **Select one course from one of the following ten areas:**
 Anthropology, Art, Conflict Analysis and Dispute Resolution
 OR Sociology, Dance OR Theater Arts, Economics, **Human**
 Geography, Modern Languages, Music, Philosophy, Political
 Science. (HONR 112 if in Honors Program)
 _____ 3/4 _____

GROUP IV: Natural Science, Math and Computer Science – 4 COURSES

- A. Satisfied by Major

GROUP V: Health Fitness - 1 COURSE

- Complete PHEC 106 Personalized Hlth/Fitness 3 _____

II. Pre-Professional Requirements

- EDUC 210* SCHL Diverse Soc. 4 _____
 EDUC 300* Dev. Lrng.& Asmt.3

COMPETENCY TEST (Praxis I)

- Reading _____
 Writing _____
 Mathematics _____

III. Academic Major

Chemistry Requirements

- CHEM 107 A Human Persp 4 _____
OR
 CHEM 109 Energy & Enviro 4 _____
 CHEM 121 Gen.Chem I 4 _____
 CHEM 122 Gen. Chem II 4 _____
 CHEM 207 Lab Safety 1 _____
 CHEM 212 Chem of Elem 2 _____
 CHEM 221 Organic Chem I 4 _____
 CHEM 222 Organic Chem II 4 _____
 CHEM 321 Analytic Chem 4 _____
 CHEM 341 Phys Chem I 3 _____
 CHEM 342 Phys Chem II 3 _____
 CHEM 406 Inorganic Chem 3 _____
 CHEM 417 Biochemistry I 4 _____

Mathematics Requirements

- MATH 201 Calculus I 4 _____
 MATH 202 Calculus II 4 _____

Physics Requirements

- PHYS 221 Physics I 4 _____
 PHYS 223 Physics II 4 _____
 PHYS 309 Mathematical Phys 3 _____

Biology Requirements

- BIO 101 FUND OF BIO 4 _____

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 56 College Credits with a minimum of 2.5 GPA, including transfer credit.
3. Having a minimum 2.75 GPA in the academic major, including transfer credits
4. Passing the required competency tests
5. Furnishing 3 recommendations from departments other than the Education Department
6. Completing 12 credits in major field

METHODS

Junior Year

- SCED 367* INCLUS. INS. SEC 3 _____
 SCED 374* SCIENCE & RDG. PT I 3 _____
 (Spring)
 EDUC 319* TECHNOLOGY IN ED. 1
 Or EDUC 318* COMPUTERS IN EDU or 3 _____
 SCED 339* SE/K-12 METH VIS 0 _____

Fall Semester Senior Year

- SCED 474* SCIENCE & RDG. PT. II 3 _____
 SCED 339* SEC/K-12 METH. VIS 0 _____

Internship - 15 hours

A student is eligible for Student Teaching after

1. Completing the methods semesters with a minimum 2.75 in all professional education courses including transfer courses.
 2. Completing 90 college credits with a minimum overall 2.50 G.P.A., including transfer credit
 3. Having a minimum 2.75 GPA in the academic major, including transfer credit
 4. Furnishing 2 recommendations from faculty in the Education Department and 1 from the major advisor
- SCED 426 & 428 DIRECTED TCHG. SEC 12 _____
 SCED 433* REFLECT. INQUIRY 3 _____

V. Graduation O.G.P.A. _____

- Praxis II taken: (date) _____ Chemistry: Content Knowledge
 (date) _____ Physical Science: Pedagogy

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

CURRICULUM GUIDE (Secondary Education)

Freshman Year

CHEM 121	General Chemistry I	4	CHEM 122	General Chemistry II	4
MATH 201	Calculus I	4	MATH 202	Calculus II	4
CHEM 107 OR CHEM 109	Chemistry: A Humanistic Perspective Energy & the Environment	4	BIOL 101	Fundamentals of Biology	4
ENGL 103	Composition & Research	<u>4</u>	PSYCH 101	General Psychology	<u>4</u>
		16			16

Sophomore Year

CHEM 221	Organic Chemistry I	4	CHEM 207	Laboratory Safety	1
PHYS 221	Physics I	4	CHEM 212	Chemistry of the Elements	2
EDUC 210	School in a Diverse Society	3	CHEM 222	Organic Chemistry II	4
CMAT 250	Instructional Communication	<u>4</u>	PHYS 223	Physics II	4
		15	EDUC 300	Development & Learning	3
			PHEC 106	Personalized Health/Fitness	<u>3</u>
					17

Junior Year

CHEM 321	Analytical Chemistry	4	CHEM 342	Physical Chemistry II	3
CHEM 341	Physical Chemistry I	3	CHEM 417	Biochemistry I	4
PHYS 309	Mathematical Physics	3	SCED 367	Inclus. Ins. Sec	3
EDUC 319	Technology in Education	1	SCED 374	Science & Rdg. Pt I	3
HIST	Group II A	<u>4</u>	SCED 339	Sec/K-12 Meth. Vis.	0
		15		Group IIIC, NOT CMAT or PSYCH	<u>3/4</u>
					16/17

Senior Year

CHEM 406	Inorganic Chemistry	3	SCED 426	Directed Tchg in Sec School	6
SCED 474	Science & Rdg. Pt. II	3	SCED 428	Directed Tchg in Sec School	6
SCED 339	Sec/K-12 Meth. Vis.	0	SCED 433	Reflect. Inquiry	<u>3</u>
HIST	Group II B	4			15
LIT	Group I B	<u>4</u>			
		14			