

SECONDARY EDUCATION (PHYSICAL SCIENCES) – 120 credits required for graduation**GENERAL EDUCATION REQUIREMENTS:****QUANTITATIVE LITERACY** (11 credits)

Statistics (3)	STS 232	_____	_____
Calculus I (4)	MAT 126	_____	_____
Calculus II (4)	MAT 127	_____	_____

SCIENCE (minimum of 41 credits)

For specific science requirements, see below

WRITING COMPETENCY (9 credits)

College Comp. (3) – grade of C	ENG 101	_____	_____
Course within Education Major (3)	EHD 202	_____	_____
Writing Intensive - (3)	ESC 452*	_____	_____

HUMAN VALUES & SOCIAL CONTEXT (18 credits)

Western Cultural Tradition (3)	_____	_____	_____
Social Context & Institutions (6)	PSY 100	_____	_____
Cultural Diversity & Int'l Perspectives (3)	EHD 202	_____	_____
Population & the Environment (3)	_____	_____	_____
Artistic & Creative Expression (1-3)	_____	_____	_____
Elective to Complete HVSC	_____	_____	_____

CAPSTONE EXPERIENCE (12 credits)

Internship – Student Teaching (12)	EHD 491	_____	_____
------------------------------------	---------	-------	-------

* Indicates – Must Have Passed Teacher Candidacy

GENERAL ELECTIVES:

COURSE	Semester	Grade
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PROFESSIONAL EDUCATION – PRIOR TO TEACHER CANDIDACYTo apply for Teacher Candidacy and upper level education courses, you must complete following courses with a B- or above, and a cumulative GPA of 2.75. You must fulfill portfolio requirements, passing Praxis Core, and documentation of field exp.

COURSE	Semester	Grade
EHD 101 – The Art and Science of Teaching (3) HCRC Card REQ.	_____	_____
EHD 202 – Education in a Multicultural Society (3)	_____	_____
EHD 203 – Educational Psychology (3)	_____	_____
EDT 400 – Computers in Education (3)	_____	_____
PSY 224 – Psych. of Adolescence (3) OR CHF 433 – Adolescence (3)	_____	_____

PRAXIS CORE EXAM: READING _____ WRITING _____ MATH _____Must be passed before applying for teacher candidacy. Passing scores: Reading 156, Writing 162, Math 150 or a composite score of 468 with all sections within 3 points of passing.**PRE – EDUCATION SEMESTER – UPON ADMISSION TO TEACHER CANDIDACY**

EHD 204 – Teaching & Assessing for Student Learning (3)	_____	_____
SED 302 – Adapting Instruction for Students with Disabilities (3)	_____	_____
EHD 301 – Prevention & Intervention (3)	_____	_____
EHD 421 – Literacy Across the Curriculum (3) – SPRING ONLY	_____	_____

PRAXIS II EXAM: _____ - Must pass in discipline of study to apply for EHD 491 – Student Teaching**EDUCATION SEMESTER- FALL ONLY**

ESC 452 – Teaching Science in the Secondary School (3)	_____	_____
EHD 400 – Field Observation (3)- Must apply semester prior to observation.	_____	_____

STUDENT TEACHING INTERNSHIP – Must have a cumulative GPA of 2.5 or higher to be eligible for EHD 491

EHD 491 – Internship (12)	_____	_____
EHD 498 – Seminar for Interns (3)	_____	_____
EHD 493 – Alternative Capstone Exp. (3-6) ONLY if NOT student teaching	_____	_____

PHYSICAL SCIENCE REQUIRMENTS (minimum 50 credits)Must complete the Physical Science Core Requirements (27 credits below) **AND**

Complete 1 Science Concentration Option (at least 23 credits):

1. **General Chemistry Option** (see reverse side)
2. **Earth Science Option** (see reverse side)
3. **Physics Option** (see reverse side)

Students must have a cumulative 2.5 GPA in their academic specialization to graduate.

^ Indicates must have a C- or higher in course.

PHYSICL SCIENCE CORE REQUIRMENTS:

Course	Cr	Pre-Req	Semester	Grade
STS 232 – Statistics	3	NONE		
MAT 126 – Calculus I	4	MAT 122^ or Part 3 of MPE		
MAT 127 – Calculus II	4	MAT 126^		
CHY 121 – General Chemistry I	3	MAT 111^ or Part 2 of MPE Co: CHY 123		
CHY 123 – General Chemistry Lab I	1	Must be taken with CHY 121		
CHY 122 – Molecular Basis of Chemical Change Spring Semester Only	3	CHY 121^ CHY 123^ Co: CHY 124		
CHY 124 – Molecular Basis of Chemical Change Lab Spring Semester Only	1	Must be taken with CHY 122		
PHY 111 – General Physics I Fall Semester Only	4			
PHY 112 – General Physics II Spring Semester Only	4	PHY 111		

#1 General Chemistry Option					#2 Earth Science Option					#3 Physics Option				
Course	Cr	Pre-Req	Semester	Grade	Course	Cr	Pre-Req	Semester	Grade	Course	Cr	Pre-Req	Semester	Grade
MAT 228 – Calculus III	4	Grade of C in MAT 127			ERS 101 – Intro. to Geology	4				MAT 228 –Calculus III	4	Grade of C in MAT 127		
CHY 242 –Quantitative Analysis Spring Semester Only	5	CHY 122^ & CHY 124^			ERS 102– Environmental Geology	4				MAT 259 –Differential Equations	4	Grade of C in MAT 228		
CHY 251 –Organic Chemistry I Fall Semester Only	3	CHY 122^ & CHY 124^			ERS 103 – Dynamic Earth	3	ERS1XX			PHY 236 –Introduction to Quantum Physics Fall Semester Only	3	MAT 127 & PHY 112		
CHY 252 –Organic Chemistry II Spring Semester Only	3	CHY 251^			ERS 108 – Beaches & Coasts Spring Semester Only	3				PHY 238 –Mechanics Spring Semester Only	3	PHY 111 & Co: MAT 258/259		
CHY 471 –Physical Chemistry I Fall Semester Only	4	CHY 122 & PHY 112			ERS 200 – Earth Systems Fall Semester Only	3				Physics Elective #1				
Chemistry Elective #1					ERS 121 – Humans / Global Change Fall Semester Only	3	ERS1XX			Physics Elective #2				
Chemistry Elective #2					ERS 441 – Glaciers &Environment Fall Semester Only	3				Physics Elective #3				
Credit Subtotal: <i>MUST be at least 23 credits</i>					ERS 330 –Mineralogy Spring Semester Only	4	ERS 200			Credit Subtotal: <i>Must be at least 23 credits</i>				
					AST 109 – Astronomy	3								
					ERS 240 – The Atmosphere Spring Semester Only	4								
					Earth Science Elective #1									
					Credit Subtotal: <i>Must be at least 23 credits</i>									

NOTES:
