

I. CORE CURRICULUM.....44
Either Chemistry 1101, 1110-1102, 1120 or Physics 1103-1104 or 1150-1151 will count toward science requirement. Math 1110 will count toward math requirement.

II. PROFESSIONAL EDUCATION REQUIREMENTS24
A 2.00 IS REQUIRED IN ALL PROFESSIONAL EDUCATION COURSES.

CI/SPE 2800	_____ (3)	Teachers, Schools, and Learners (W, C)	PROFICIENCIES:
CI/FDN/RE 3850	_____ (3)	Literacy, Technology and Instruction (C)	Reading _____
FDN 3800	_____ (3)	Foundations of American Education (CD)	English _____
PSY 3000	_____ (3)	Educational Psychology (MC, CD)	Speech _____
C I 4900	_____ (12)	Student Teaching	

NOTE: To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT). Note, however, that the Area Exam is required for licensure. Only CI/SPE 2800 and PSY 3000 may be taken prior to formal admission into the Teacher Education Program.

III. MAJOR REQUIREMENTS68
2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under III.

A. Area of Specialization for teaching physics: (minimum of 32 semester hours)

PHY 1103 _____ (4) General Physics I (ND) **OR** PHY 1150 _____ (5) Analytical Physics I (ND)
PHY 1104 _____ (4) General Physics II (ND) PHY 1151 _____ (5) Analytical Physics II (ND)

PHY 2010 _____ (4) Intermediate Physics I
PHY 2020 _____ (4) Intermediate Physics II
PHY 2210 _____ (2) Physics Laboratory Techniques and Data Analysis (W)
PHY 3210 _____ (3) Modern Physics I
PHY 3521 _____ (1) Secondary Science Field Experience
PHY 4210 _____ (3) Methods of Experimental Physics (W, S)

5 to 7 hours in physics and astronomy electives for minimum of 32 hours in Physics (PHY 3400 and either AST 1001 (ND), PHY 4330 or 3730 are recommended) _____

B. Biology

BIO 1110 _____ (4) Concepts of Biology

C. Geology

GLY 1101 _____ (4) Introduction to Physical Geology (ND)

D. Chemistry

CHE 1101 _____ (3) Introductory Chemistry I (ND)
CHE 1110 _____ (1) Introductory Chemistry I Lab
CHE 1102 _____ (3) Introductory Chemistry II (ND)
CHE 1120 _____ (1) Introductory Chemistry II Lab

E. Mathematics

MAT 1110 _____ (4) Calculus with Analytic Geometry I (ND)
MAT 1120 _____ (4) Calculus with Analytic Geometry II (ND)
MAT 2130 _____ (4) Calculus with Analytic Geometry III (ND)
MAT 3130 _____ (3) Introduction to Differential Equations

F. Also Recommended

TEC 2004 _____ (3) Introduction to Metals Technology
A Computer Programming Course (3 or 4) _____

G. Other Required Courses

G S 4403* _____ (3) Teaching Science in Middle and High Schools (W, S, C)
R E 4630* _____ (2) Reading in the Content Areas
*Minimum "C" grade required

IV. MINOR (optional)

V. ELECTIVES (taken to total 122 hours for the degree) 0

Minus hours counted double in core 136
Total hours required for graduation -14
122

<u>Major Designators</u>	
2 Writing (W)	_____
1 Speaking (S)	_____
Certified Proficiency in Communication (CPC)	_____
CPC is met by successful completion of PHY 4210	
<u>Other Designators</u>	
4 Writing (W)	_____
4 Multi Cultural (MC)	_____
2 Numerical Data (ND)	_____
2 Computer (C)	_____
1 Cross Disciplinary (CD)	_____