Requirements Effective April 2011 COMPLETED _____ DATE _____

SCIENCE EDUCATION

_____	_____	_____	B.S.
NAME	I.D.#	Expected Grad Date	Degree

General Education Requirements (Regular)

has	needs	
	3	THEO 101 Christian Formation
	3	BLIT 202 Christian Scriptures I
	3	BLIT 303 Christian Scriptures II
	3	THEO 404 Christian Faith
	3	FINA 101 Intro to Fine Arts
	3	HIST 200 Western Civilization
	3	LIT 205 Studies in Literature
	3	PHED 126 Nutrition or PHED 190 Wellness

General Education Requirements for Teachers

	3	COMM 105 Fundamentals of Communication
	3-4	ENGL 108 or 109 College Writing I **
	3	ENGL 210 College Writing II
	3	PSCI 223 American Government
	3-8	Elementary Foreign Language I & II OR approved International Culture Courses

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Professional Education Courses:

Available Before Teacher Education Program entry:

	3	EDUC 150 Historical & Philosophical Found. **
	3	EDUC 249 Educ & Dev Psychology (15*) **
	2	EDUC 295 Instructional Technology

Available After Teacher Education Program entry:

	3	EDUC 376 Teaching Diverse Population (25*)
	5	EDUC 385 Middle/Secondary Methods (45*)
	2	EDUC 456 Management/Professional Practices
	12	EDUC 486 Student Teaching

Recommended Supporting Courses:

	3	EDUC 214 Early Adolescent Development
	1	EDUC 325 Classroom Management
	2	ENGL 320 Reading: Process & Skills

* Required Field Experience hours

** Required before entering Teacher Education Program

Minimum Requirements include: 128 hours, 40 of which are upper division (300-400 level) hours, 2.500 cumulative grade point average (GPA), 2.750 GPA in Major courses, and C or above grades in all General Education Requirements for Teachers, all Professional Education courses, all Required Supporting courses, and all courses applied toward endorsements.

Major: 58 – 67 hours

Required Core Courses:

has	needs	
	4	BIOL 125 Biology I
	4	BIOL 126 Biology II
	4	BIOL 370 Ecology
	4	CHEM 103 General Chemistry I
	4	CHEM 104 General Chemistry II
	4	GEOL 105 Physical/Historical Geology
	4	GEOL 130 Astronomy
	4-5	PHYS 121 College Physics I OR PHYS 201 General Physics I
	4-5	PHYS 122 College Physics II OR PHYS 202 General Physics II
	4	MATH 131 College Algebra/Trigonometry ** *or* MATH 147 Calculus I **

Plus one of the following concentrations:

A. Biology Concentration

	4	BIOL 319 Genetics
	4	BIOL 352 Advanced Botany
	4	BIOL 356 Microbiology
	4	BIOL 360 Invertebrate Zoology
	4	BIOL 368 Vertebrate Natural History/Anatomy
	4	BIOL 455 Physiology
	1	GEOL 309 Intro to Weather and Climate

B. Chemistry Concentration

	4	CHEM 301 Quantitative Analysis
	5	CHEM 311 Organic Chemistry I
	5	CHEM 312 Organic Chemistry II
	3-4	CHEM 320 Inorganic Chemistry *or* CHEM 385 Environmental Geochemistry
	1	CHEM 495 Seminar in Chemistry
	1	GEOL 309 Intro to Weather and Climate

C. Earth/Space Concentration

	2	GEOL 300 Paleontology
	4	GEOL 302 Earth Materials
	3	GEOL 310 The Earth's Weather
	3	GEOL 346 Tools of Astronomy
	3	GEOL 360 Geographic Information Systems
	3-4	GEOL 362 Sedimentology/Stratigraphy OR GEOL 321 Geomorphology/Earth Hazards OR GEOL 366 Structural Geology/Field Methods

Recommended Supporting Courses for Concentrations B and C:

	4	MATH 147 Calculus I
	4	MATH 148 Calculus II