

## SCIENCE EDUCATION

NAME	I.D.#	Expected Grad Date	B.S. Degree
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**General Education Requirements**

<u>3</u>	THEO 101 Christian Formation
<u>3</u>	BLIT 202 Christian Scriptures I
<u>3</u>	BLIT 303 Christian Scriptures II
<u>3</u>	THEO 404 Christian Faith

**General Education Requirements (for Teachers)**

<u>3</u>	FINA 101 Intro to Fine Arts
<u>3</u>	HIST 200 Western Civilization
<u>3</u>	LIT 205 Studies in Literature
<u>2-3</u>	PHED 190 Wellness or PHED 126 Nutrition
<u>1</u>	PHED 191 Applied Fitness
<u>3</u>	COMM 105 Fundamentals of Communication
<u>3</u>	ENGL 109 College Writing I **
<u>3</u>	ENGL 210 College Writing II
<u>3</u>	PSCI 223 American Government
<u>0-8</u>	Elementary Foreign Language I & II <b>OR</b> approved International Culture Courses

**REQUIRED Before Teacher Education Program entry:**

<u>2</u>	EDUC 140 Multicultural Found. of Ed.**
<u>3</u>	EDUC 195 Teacher Education Seminar I**
<u>2</u>	EDUC 200 Human Development & Ed. (10*)**
<u>1</u>	EDUC 225 Intro. to Classroom Management**
<u>3</u>	EDUC 280 Gen. Meth. & Assessment (10*)**

**REQUIRED After Teacher Education Program entry, before Student Teaching:**

<u>3</u>	EDUC 374 Secondary Content Methods (45*)
<u>3</u>	EDUC 376 Teaching Diverse Population (25*)
<u>1</u>	EDUC 394 Teacher Education Seminar II

**REQUIRED After Teacher Education Program entry, during Student Teaching:**

<u>12</u>	EDUC 486 Student Teaching
<u>3</u>	EDUC 493 Teacher Education Seminar III

**Required Supporting Course for Teacher Education:**

<u>2</u>	ENGL 335 Teaching Reading in Content Area
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**Recommended Supporting Course for Teacher Education:**

<u>3</u>	EDUC 214 Early Adolescent Development
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**Minimum Requirements include:** 128 hours, 40 of which are upper division (300-400 level) hours, 2.50 cumulative grade point average (GPA), 2.75 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.

**Note:** Requirements for Middle School and all other endorsements are available in the School of Education.

**Major: 58-67 hours****Required Core Courses:**

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

**Plus one of the following concentrations:****A. Biology Concentration**

<u>4</u>	BIOL 319 Genetics
<u>4</u>	BIOL 352 Advanced Botany
<u>4</u>	BIOL 356 Microbiology
<u>4</u>	BIOL 360 Invertebrate Zoology
<u>4</u>	BIOL 368 Vertebrate Natural History/Anatomy
<u>4</u>	BIOL 455 Physiology
<u>1</u>	GEOL 108 Intro to Weather and Climate

**B. Chemistry Concentration**

<u>4</u>	CHEM 301 Quantitative Analysis
<u>5</u>	CHEM 311 Organic Chemistry I
<u>5</u>	CHEM 312 Organic Chemistry II
<u>3-4</u>	CHEM 320 Inorganic Chemistry <b>OR</b> CHEM 385 Environmental Geochemistry
<u>1</u>	CHEM 495 Seminar in Chemistry
<u>1</u>	GEOL 108 Intro to Weather and Climate

**C. Earth/Space Concentration**

<u>3</u>	GEOL 109 The Earth's Weather
<u>2</u>	GEOL 300 Paleontology
<u>4</u>	GEOL 302 Earth Materials
<u>3</u>	GEOL 346 Tools of Astronomy
<u>3</u>	GEOL 360 Geographic Information Systems
<u>3-4</u>	GEOL 362 Sedimentology/Stratigraphy <b>OR</b> GEOL 322 Geomorphology/Earth Hazards <b>OR</b> GEOL 366 Structural Geology/Field Methods

**Recommended Supporting Courses for Concentrations B and C:**

<u>4</u>	MATH 147 Calculus I
<u>4</u>	MATH 148 Calculus II

\* Required Field Experience hours

\*\* Required before entering Teacher Education Program