

## SCIENCE EDUCATION

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

- 3 THEO 101 Christian Formation
- 3 BLIT 202 Christian Scriptures I
- 3 BLIT 303 Christian Scriptures II
- 3 THEO 404 Christian Faith
- 3-4 ENGL 108 or 109 College Writing I
- 3 ENGL 210 College Writing II
- 3 COMM 105 Fundamentals of Communication
- 3 FINA 101 Intro to Fine Arts
- 3 HIST 200 Western Civilization
- 3 LIT 205 Studies in Literature
- 3 PSCI 223 American Government
- 3-8 Elementary Foreign Language I & II **OR**  
approved International Culture Courses
- 3 PHED 126 Nutrition or PHED 190 Wellness

**Professional Education Courses:**

- 3 EDUC 150 Historical & Philosophical Found.
- 3 EDUC 249 Educ & Dev Psychology
- 2 EDUC 295 Instructional Technology
- 3 EDUC 376 Teaching Diverse Population
- 5 EDUC 385 Middle/Secondary Methods
- 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

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

- 4 MATH 147 Calculus I
- 4 MATH 148 Calculus II

**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 320 Genetics
- 4 BIOL 352 Advanced Botany
- 4 BIOL 356 Microbiology
- 4 BIOL 360 Invertebrate Zoology
- 4 BIOL 361 Comparative 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