



BACHELOR OF ARTS IN BIOLOGY - TEACHING

INTRODUCTION

Biological Science is the study of God's created life and is therefore one of the broadest subjects you can study. Biology encompasses everything from the minute (molecular study of life processes) to the gigantic (animal and plant communities/biomes). Most of our classes have both lectures and labs. This Bachelor of Arts degree requires a minor (usually chemistry) and two years of high school or one year of college foreign language.

SPECIALTY

The Bachelor of Arts in Biology-Teaching Licensure (grades 6-12) degree prepares you for a career to influence the next generation for greatness. Secondary certification in biology requires a Baccalaureate degree with 42 credits of specified biology courses, cognates, and completion of professional education courses for licensure.

98 HOURS = CORE (42) + SDA CERTIFICATION (14) + COGNATES (6) + PROFESSIONAL EDUCATION (36)

BIOLOGY CORE		HOURS
BIOL 151-152	General Biology I & II	8
BIOL 282	Biological Analysis	3
BIOL 311	Genetics	4
BIOL 317 or 321	Ecology (Fall) or Field Ecol (Summer)	3
BIOL 412	Cell & Molecular Biology	4
BIOL 424	Issues in Nat Sci & Rel (Writing)	3
BIOL	Biology Electives*	9
CHEM 151-152	General Chemistry I & II	8

Must have minimum GPA of 2.5 in the major, professional education and cumulative, to be eligible for certification. **42**

SDA CERTIFICATE		HOURS
RELB 125	Life & Teachings of Jesus	3
RELT 138	Adventist Heritage	3
RELT 255	Christian Beliefs	3
Religion	Upper Division Religion (Writing)	3
HLED 173	Health for Life	2

Three-year denominational certificate issued upon completion of these courses and the other degree requirements. **14**

COGNATES	PHYS 127-128	HOURS
PHYS 127-128	Exploring Physics I & II	6

HIGHLY RECOMMENDED		HOURS
CHEM 311-312	Organic Chemistry I & II	8

PROFESSIONAL EDUCATION		HOURS
EDUC 138	Intro & Foundations of Sec Education	3
PSYC 128	Developmental Psychology	3
EDUC 317	Teaching with Technology	2
EDUC 338	Foundations of Inclusive Education	3
EDUC 341	General Methods & Assessment	3
EDUC 342	Curriculum & Content Methods 6-12	2
EDUC 343	Learning Theory & Classroom Managemnt	3
EDUC 419	Philos & Ldrshp of Christian Educ (Writing)	3
EDUC 434	Reading & Writing in the Content Areas	2
EDUC 464	Teaching Seminar	2
EDUC 472	Enhanced Student Teaching 6-12	10

36

ELECTIVE AREAS (9 HOURS)*

BIOLOGICAL SYSTEMS		HOURS
BIOL 313	Developmental Biology	3
BIOL 416	Human Anatomy	3
BIOL 417	Animal Histology	3
BIOL 418	Animal Physiology	3

CLINICAL SCIENCES		HOURS
BIOL 315	Human Parasitology (Writing)	3
BIOL 329	General Microbiology	3
BIOL 333	Medical Toxinology	3
BIOL 340	Immunology	3
BIOL 450	Epidemiology	3

ORGANISMAL BIOLOGY		HOURS
BIOL 252	Tropical Biology (Summer)	3
BIOL 314	Ornithology	3
BIOL 320	Entomology	3
BIOL 321	Field Ecology (Summer)	3
BIOL 387	Animal Behavior	3
BIOL 415	Comparative Anatomy	3
BIOL 458	Ecotoxicology	3

*Take one class from each category. See course schedule for topics courses that may be applied to any elective area.



B.A. BIOLOGY/TEACHER LICENSURE 6-12 4-YEAR SUGGESTED PLAN SHEET

FALL SEMESTER	HOURS	WINTER SEMESTER	HOURS
FRESHMAN YEAR			
___ BIOL 151: General Biology I	4	___ BIOL 152: General Biology II	4
___ CHEM 151: General Chemistry I	4	___ CHEM 152: General Chemistry II	4
___ ENGL 101: Critical Thinking in Academic Rdng/Wrtng I	3	___ ENGL 102: Critical Thinking in Academic Rdng/Wrtng II	3
___ NOND 101: Southern Connections	1	___ HLED 173: Health for Life	2
___ PEAC 125: Fitness for Collegiate Life	1	___ MATH 215: Statistics	3
___ RELB 125: Life & Teachings of Jesus	3		16
	16		
SOPHOMORE YEAR			
___ BIOL 282: Biological Analysis	3	___ EDUC 201: Teacher Education Candidacy	0
___ BIOL 311: Genetics	4	___ EDUC 317: Teaching with Technology	2
___ EDUC 138: Intro & Foundations of Secondary Education	3	___ EDUC 338: Foundations of Inclusive Education	3
___ RELT 255: Christian Beliefs	3	___ COMM 135: Communication & Public Speaking	3
___ Aesthetic Analysis	3	___ CPTC 100: Computer Concepts	1
	16	___ Historical Perspectives	3
		___ BIOL: Biology Elective*	3
		___ Physical Activity	1
			16
	1-7		
ANY SUMMER			
___ Physical Activity	1		
___ Foreign Language**	0-6		
	1-7		
JUNIOR YEAR			
___ EDUC 341: General Methods & Assessment	3	___ BIOL 412: Cell & Molecular Biology	4
___ EDUC 342: Curriculum & Content Methods 6-12	2	___ EDUC 419: Phil & Ldrshp of Christian Educ (Service; Writing)	3
___ EDUC 343: Learning Theory & Classroom Management	3	___ MATH 120: Pre-Calculus Algebra	3
___ EDUC 434: Reading & Writing in the Content Areas	2	___ BIOL: UD Biology Elective*	3
___ PHYS 137: Introduction to Physics	3	___ RELT 138: Adventist Heritage	3
___ PSYC 128: Developmental Psychology	3		16
	16		
SENIOR YEAR			
___ BIOL 317 or 321: Ecology (Service) or Field Ecology (Summer)	3	___ EDUC 464: Teaching Seminar	2
___ BIOL 424: Issues in Natural Science & Religion (Writing)	3	___ EDUC 472: Enhanced Student Teaching 6-12	10
___ PEAC 425: Fit for Hire	1		12
___ Stewardship, Business & Economics	3		
___ Upper Division Religion (Writing)	3	___ ___ ___ Writing Classes	
___ BIOL: Upper Division Biology Elective*	3	___ ___ ___ Service Classes	
	16		
		Total: 128-134 Hours	

*Select one course minimum from 3 of the 4 biology elective areas (9 hours).

**Language waived if 2 years high school language taken with grade of B or better. If not, 6 hours elementary language required for Bachelor of Arts.