



BACHELOR OF ARTS 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 B.A. degree requires a minor (usually chemistry) and two years of H.S. or one year of college foreign language.

SPECIALTY

The B.A. Biology - Teaching Licensure (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 CERT (14) + COGNATES (6) + PROF EDUC (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 Ecology (Summer)	3
BIOL 412	Cell & Molecular Biology	4
BIOL 424	Issues in Nat Sci & Rel (W)	3
BIOL	Biology Electives *	9
CHEM 151-152	General Chemistry I & II	8

Must have minimum GPA of 2.50 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 or 484	Christian Beliefs or Christian Theology I	3
R-3	UD Religion (W)	3
HLED 173	Health for Life	2

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

COGNATES	PHYS 127-128 Exploring Physics I & II	6 HRS
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Highly Recom	CHEM 311-312 Organic Chemistry I & II	8 HRS
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PROFESSIONAL EDUCATION		HOURS
EDUC 138	Intro & Foundations of Secondary Education	3
PSYC 128	Developmental Psychology	3
EDUC 201	Teacher Education Candidacy	0
EDUC 252	Praxis Preparatory - Secondary	0
EDUC 253	Responsive Teaching	1
EDUC 317	Teaching with Technology	2
EDUC 342	Curriculum & Content Methods 6-12	2
EDUC 345	Learning Theory & Classroom Management	2
EDUC 346	Field Experience in Secondary Education	2
EDUC 347	Assessment and Differentiation	2
EDUC 348	Secondary Instructional Methods	2
EDUC 419	Philos & Ldrshp of Christian Education (W)	3
EDUC 434	Reading & Writing in the Content Areas	2
EDUC 464	Teaching Seminar	2
EDUC 472	Enhanced Student Teaching Sec. (SERV-2)	10

36

ELECTIVE AREAS (9 HRS) *

BIOLOGICAL SYSTEMS		
BIOL 313	Developmental Biology	3
BIOL 416	Human Anatomy	3
BIOL 417	Animal Histology	3
BIOL 418	Animal Physiology	3
CLINICAL SCIENCES		
BIOL 315	Human Parasitology (W)	3
BIOL 329	General Microbiology	3
BIOL 333	Medical Toxinology	3
BIOL 340	Immunology	3
BIOL 450	Epidemiology	3

ORGANISMAL BIOLOGY		
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 (I-7)	4	___ BIOL 152: General Biology II (I-7)	4
___ CHEM 151: General Chemistry I	4	___ CHEM 152: General Chemistry II	4
___ ENGL 101: Critical Thinking in Academic Rdng/Wrtng I (I-2)	3	___ ENGL 102: Critical Thinking in Academic Rdng/Wrtng II (I-2)	3
___ NOND 101: Southern Connections (I-1)	1	___ MATH 215 Statistics (1-4)	3
___ PEAC 125: Fitness for Collegiate Life (P-1)	1	___ HLED 173: Health for Life	2
___ RELB 125: Life & Teachings of Jesus (R-1)	3		16
	16		
SOPHOMORE YEAR			
___ BIOL 282: Biological Analysis	3	___ EDUC 201: Teacher Education Candidacy	0
___ BIOL 311: Genetics	4	___ EDUC 253: Responsive Teaching	1
___ EDUC 138: Intro & Foundations of Secondary Education	3	___ EDUC 317: Teaching with Technology	2
___ RELT 255: Christian Beliefs (R-4) or REL 484: Christian Theology I	3	___ COMM 135: Communication & Public Speaking (I-3)	3
___ Aesthetic Analysis (IN-10)	3	___ MATH 120: Precalculus Algebra	3
	16	___ BIOL: Biology Elective	3
		___ Historical Perspectives (IN-6)	3
		___ Physical Activity (P-1b)	1
			16
	1-7		
ANY SUMMER			
___ Physical Activity (P-1b)	1		
___ Foreign Language **	0 - 6		
	1-7		
JUNIOR YEAR			
___ EDUC 342: Curriculum & Content Methods Grades 6-12	2	___ BIOL 412: Cell & Molecular Biology	4
___ EDUC 345: Learning Theory & Classroom Management	2	___ CPTE 100: Computer Concepts (I-5)	1
___ EDUC 347: Assessment and Differentiation	2	___ EDUC 252: Praxis Preparation - Secondary	0
___ PHYS 137: Intro to Physics	3	___ EDUC 434: Reading & Writing in the Content Areas	2
___ PSYC 128: Developmental Psychology	3	___ EDUC 419: Phil. & Ldrship. of Christian Educ. (W) (SERV-2)	3
___ Stewardship, Business, & Econ. (IN-9)	3	___ RELT 138: Adventist Heritage (R-2)	3
	15	___ BIOL: U.D. Biology Elective*	3
			16
SENIOR YEAR			
___ BIOL 317 or 321: Ecology (SERV-2) or Field Ecology (Summer)	3	___ EDUC 464: Teaching Seminar	2
___ BIOL 424: Issues in Natural Science & Religion (W)	3	___ EDUC 472: Enhanced Student Teaching Sec. (SERV-2)	10
___ EDUC 346: Field Experience in Secondary Education	2	___ PEAC 425: Fit for Hire (P-3)	1
___ EDUC 348: Secondary Instructional Methods	2		13
___ BIOL: U.D. Biology Elective*	3	___ ___ ___ "W" Classes	
___ U.D. RELB except RELB 125 (W) (R-3)	3	___ ___ ___ "S" Classes	
	16		

TOTAL HOURS 125 - 131

* Choose one course minimum from each Biology elective area: Biological Systems, Organismal Biology, and Clinical Sciences (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 B.A.