

Northwest University
Biology - Bachelor of Science - 2014/2015

NAME _____ ID _____ REVIEWER _____ DATE _____

TOTAL CREDITS REQUIRED: 125

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Official Review
Unofficial Review

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Transfer Report
Graduation Audit

Transcripts Evaluated			
a _____	_____	d _____	_____
b _____	_____	e _____	_____
c _____	_____	f _____	_____
Credits Transferred			

CORE CURRICULUM (43)

BIBLICAL LITERACY (12)

BIBL 1103	Old Testament Hist/Lit (3)	_____
BIBL 1203	New Testament Hist/Lit (3)	_____
BIBL 2553	Biblical Interpretation (3)	_____
THEO 1213	Christian Thought (3)	_____

WRITTEN & VERBAL COMMUNICATIONS (9)

ENGL 1013	Comp I: Expository Wrtg (3)	_____
ENGL 1023	Comp II: Rhtcr/Research Wrtg (3)	_____
COMM 1213	Fund of Speech Comm (3)	_____

HUMANITIES ** (3)

3 credits of Writing Practice required

Select 3 credits from the following (3):

Art (ARTE), Bible (BIBL), Drama (DRAM), English (ENGL), History (HIST), Language (LANG), Music (MUSI), Theology (THEO)	_____ _____ _____ _____
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SOCIAL SCIENCE (6)

6 credits of Writing Practice required

Select a minimum of TWO disciplines from the following (6):

Business Admin. (BUSM), Economics, Philosophy (PHIL) Communication (COMM) <i>(except COMM 1213)</i> , Anthropology, Education (EDUC), Marketing (BMKT), Sociology (SOCI), Management (BMGT), Health & Fitness (PEDU), Psychology (PSYC), Political Science (PSCI), Geography (GEOG)	_____ _____ _____ _____ _____
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FORMATION & CALLING ** (5)

UCOR 1043	Faith in Society (3)	_____
UCOR 1052	Identity and Vocation (2) **	_____
xxx	UCOR 4791 Faith Integration	_____
Content met in SCIE 3332		_____

CORE ELECTIVES (8)

Notes:

** Refer to transfer policy for possible adjustments to degree requirements

BIOLOGY MAJOR REQUIREMENTS (76-77)

PHASE I: FOUNDATIONS (42)

MATH 1243	Calculus I (3)	_____
MATH 2003	Introduction to Statistics (3)	_____
SCIE 1283/I	Physics I w/Lab (4)	_____
SCIE 1293/I	Physics II w/Lab (4)	_____
SCIE 1333/I	General Chemistry I w/Lab (4)	_____
SCIE 1343/I	General Chemistry II w/Lab (4)	_____
SCIE 2053/I	General Biology I w/Lab (4)	_____
SCIE 2063/I	General Biology II w/Lab (4)	_____
SCIE 2433/I	Organic Chemistry I w/Lab (4)	_____
SCIE 2443/I	Organic Chemistry II w/Lab (4)	_____
SCIE 2403/I	Environmental Science w/Lab (4)	_____

Before Phase II courses, the student must be formally admitted to the Biology Major

PHASE II: BIOLOGY MAJOR TRACKS (30-31)

Select ONE of the following tracks:

- ☐ **Animal Biology (30)** *(Pre-Veterinarian)*
- ☐ **Pre-Health (30)** *(PA, PT, Naturopath)*
- ☐ **Pre-Medicine (30-31)**
- ☐ **General Science (30)**

PHASE III: INTEGRATION AND APPLICATION (4)

SCIE 3332	Integration and Development (2)	_____
SCIE 4432	Scientific Cross-Cultural Experience (2)	_____

GENERAL ELECTIVES (5-6)

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CHOOSE ONE OF THE FOLLOWING TRACKS

ANIMAL BIOLOGY TRACK (30)

Required (14)

SCIE 3104	Microbiology w/Lab (4)	
SCIE 3313/1	Invertebrates w/Lab (4)	
SCIE 3323/1	Vertebrates w/Lab (4)	
SCIE 4222	Bioethics (2)	

Science/Math Electives (16)

Select 16 credits from the following

MATH 2245	Calculus II (5)	
SCIE 2203/1	Anatomy & Physiology I w/Lab (4)	
SCIE 2213/1	Anatomy & Physiology II w/Lab (4)	
SCIE 3113/1	General Botany w/Lab (4)	
SCIE 3143/1	Genetics w/Lab (4)	
SCIE 3403/1	Cell Biology w/Lab (4)	
SCIE 3712	Sustainable Technologies I (2)	
SCIE 3722	Sustainable Technologies II (2)	
SCIE 4133	Evolutionary Theories (3)	
SCIE 4153/1	Ecology w/Lab (4)	
SCIE 4413/1	Resource Management w/Lab (4)	
SCIE 4423/1	Biochemistry w/Lab (4)	
SCIE 4921/4	Research Topics (1-4)	

PRE-HEALTH TRACK (30)

Required (17)

SCIE 2203/1	Anatomy & Physiology I w/Lab (4)	
SCIE 2213/1	Anatomy & Physiology II w/Lab (4)	
SCIE 2613	Diet and Nutrition (3)	
SCIE 3104	Microbiology w/Lab (4)	
SCIE 4222	Bioethics (2)	

Science/Math Electives (13)

Select 13 credits from the following

MATH 2245	Calculus II (5)	
SCIE 3113/1	General Botany w/Lab (4)	
SCIE 3143/1	Genetics w/Lab (4)	
SCIE 3313/1	Invertebrates w/Lab (4)	
SCIE 3323/1	Vertebrates w/Lab (4)	
SCIE 3403/1	Cell Biology w/Lab (4)	
SCIE 3712	Sustainable Technologies I (2)	
SCIE 3722	Sustainable Technologies II (2)	
SCIE 4133	Evolutionary Theories (3)	
SCIE 4153/1	Ecology w/Lab (4)	
SCIE 4413/1	Resource Management w/Lab (4)	
SCIE 4423/1	Biochemistry w/Lab (4)	
SCIE 4921/4	Research Topics (1-4)	

PRE-MEDICINE TRACK (30-31)

Required (26)

SCIE 2203/1	Anatomy & Physiology I w/Lab (4)	
SCIE 2213/1	Anatomy & Physiology II w/Lab (4)	
SCIE 3104	Microbiology w/Lab (4)	
SCIE 3143/1	Genetics w/Lab (4)	
SCIE 3403/1	Cell Biology w/Lab (4)	
SCIE 4222	Bioethics (2)	
SCIE 4423/1	Biochemistry w/Lab (4)	

Science/Math Electives (4-5)

Select 4 to 5 credits from the following

MATH 2245	Calculus II (5)	
SCIE 3313/1	Invertebrates w/Lab (4)	
SCIE 3323/1	Vertebrates w/Lab (4)	
SCIE 3712	Sustainable Technologies I (2)	
SCIE 3722	Sustainable Technologies II (2)	
SCIE 4133	Evolutionary Theories (3)	
SCIE 4921/4	Research Topics (1-4)	

GENERAL SCIENCE TRACK (30)

Science/Math Electives (30)

Select 30 credits from the following

MATH 2245	Calculus II (5)	
MATH 3245	Calculus III (5)	
SCIE 2203/1	Anatomy & Physiology I w/Lab (4)	
SCIE 2213/1	Anatomy & Physiology II w/Lab (4)	
SCIE 3104	Microbiology w/Lab (4)	
SCIE 3143/1	Genetics w/Lab (4)	
SCIE 3313/1	Invertebrates w/Lab (4)	
SCIE 3323/1	Vertebrates w/Lab (4)	
SCIE 3403/1	Cell Biology w/Lab (4)	
SCIE 3712	Sustainable Technologies I (2)	
SCIE 3722	Sustainable Technologies II (2)	
SCIE 4133	Evolutionary Theories (3)	
SCIE 4222	Bioethics (2)	
SCIE 4423/1	Biochemistry w/Lab (4)	
SCIE 4921/4	Research Topics (1-4)	
SCIE 300/400*	Science Electives (1-4)	

**in consultation with advisor*

TOTAL CREDITS REQUIRED: 125