

RIDER UNIVERSITY

Checksheet 2013-14

Name _____

Advisor _____

SECONDARY EDUCATION BIOLOGY SECOND MAJOR

INDICATE SEM./ ORTRANSFER*	COURSE TITLE	COURSE NUMBER	SH
BASIC EDUCATION CORE			
_____	Expository Writing	BHP 100P or CMP 120	3
_____	Research Writing	BHP 150P or CMP 125	3
_____	Introduction to Psychology	PSY 100	3
_____	<i>Science Elective</i>		-
_____	<i>Math Elective</i>		-
_____	Speech Communication	COM 104	3
_____	History Elective	HIS _____	3
_____	Social Science Elective	_____	3
_____	Fine Arts Appreciation Elective	_____	3
_____	Literature Elective	_____	3
_____	Technology Elective(s)	_____	3
_____	<i>Contexts of Schooling</i>		-
EXPANDED BIOLOGY CORE			
_____	Youth & Adolescent Development	PSY 231	3
_____	Philosophy Elective	_____	3
_____	EDU Freshman Seminar(<i>Freshman Only</i>)	NCT 010	-
GENERAL STUDIES ELECTIVES			
_____	General Studies Electives	_____	0-1

TOTAL CORE AND GENERAL STUDIES ELECTIVES CREDITS ----- 33-34

PROFESSIONAL EDUCATION

Foundations Courses (6 SH)

_____	Contexts of Schooling	EDU 106	3
_____	Developmental Educ. Psychology	EDU 206	3
(These classes must be taken concurrently)			

Methods Courses (12 SH)

_____	Teaching Sci. in the Middle Schools	ELD 385(Spring Only)	3
_____	Teaching in the High School	SED 370	3
_____	Teaching Sci. in Secondary Schools	SED 410(Fall Only)	3
_____	Content Area Reading&Writing	SED 431	3

INDICATE SEM./ ORTRANSFER*	COURSE TITLE	COURSE NUMBER	SH
	Capstone Experience (12 SH)		
_____	Student Teaching & Seminar	EDU 465	12
	TOTAL PROFESSIONAL EDUCATION CREDIT -----		30

BIOLOGY MAJOR REQUIREMENTS (62-63 SH)

Please refer to the attached departmental checksheet for second major requirements.

TOTAL SECOND MAJOR CREDITS -----62- 63

TOTAL CORE AND GENERAL STUDIES ELECTIVES CREDITS ----- 33-34

TOTAL SEMESTER HOURS REQUIRED FOR GRADUATION----- 126

**Please indicate semester and year in which courses were taken. Or "T" for transfer of credit.*

A 2.75 cumulative grade point average is required for Junior status in good standing.

Courses in italics may be used to fulfill a requirement in more than one section of the checksheet. Double counting a course does not imply double counting credits, since 126 credits are needed for graduation.

PLEASE CHECK WITH YOUR SECOND MAJOR ADVISOR TO GUARANTEE GRADUATION REQUIREMENTS.

SE-BIO
Rev.0613

BIOLOGY MAJOR CHECKLIST

BIOLOGY COURSES

Course #	Credits	Course Title	
BIO-115	4	Principals of Biology: Evolution, diversity, and Biology of Animals	
BIO-115 L	0	Principals of Biology: Evolution, diversity, and Biology of Animals	
BIO-116	4	Principals of Biology: Evolution, Diversity, and Biology of Plants	
BIO-116 L	0	Principals of Biology: Evolution, Diversity, and Biology of Plants	
BIO-117	4	Principals of Biology: Evolution, Diversity, and Biology of Cells	
BIO-117 L	0	Principals of Biology: Evolution, Diversity, and Biology of Cells	

4 courses required from each of the following categories:

Group I:

BIO-272	3	Introduction to Marine Biology	
BIO-272 L	1	Marine Biology Laboratory	
BIO-321	4	Environmental Microbiology	
BIO-321 L	0	Environmental Microbiology	
BIO-335	4	Modern Plant Biology	
BIO-335 L	0	Modern Plant Biology	
BIO-340	4	Evolutionary Biology	
BIO-340 L	0	Evolutionary Biology	
BIO-350	4	General Ecology	
BIO-350 L	0	General Ecology	
BIO-372	4	Behavior of Marine Organisms: An Evolutionary Approach	
BIO-372 L	0	Behavior of Marine Organisms: An Evolutionary Approach	
MAR-325	4	Marine Vertebrates: Fish to Mammals	
MAR-325 L	0	Marine Vertebrates: Fish to Mammals	

Group II:

BIO-265	4	Genetics	
BIO-265 L	0	Genetics	
BIO-300	4	Developmental Biology	
BIO-300 L	0	Developmental Biology	
BIO-305	4	Vertebrate Physiology	
BIO-305 L	0	Vertebrate Physiology	
BIO-315	4	Medical Microbiology	
BIO-315 L	0	Medical Microbiology	
BIO-370	4	Immunology	
BIO-370 L	0	Immunology	
BNS-310	4	Neurobiology	
BNS-310 L	0	Neurobiology	
BNS-360	4	Neurochemistry	
BNS-360 L	0	Neurochemistry	
BNS-375	4	Neuroethology: The Neural Circuits of Behavior	
BNS-375 L	0	Neuroethology: The Neural Circuits of Behavior	

Seminar:

BIO-400	3	Seminar in Cellular and Molecular Biology	
BIO-416	3	Bioinformatics	
BIO-420	3	Seminar in Organismal Biology	
BIO-450	3	Seminar in Ecology and Evolution	
BNS-415	3	Seminar in Behavioral Neuroscience	

BIOLOGY MAJOR CHECKLIST

MATH/STATISTICS COURSES (two required)

<i>Math:</i>			
MTH-105	4	Algebra and Trigonometry	
MTH-210	4	Calculus I	
MTH-211	4	Calculus II	
<i>Statistics:</i>			
BNS-250	4	Biostatistics	
BNS-250 L	0	Biostatistics	
ENV-200	4	Statistical and Computer Applications in the Natural Sciences	
ENV-200 L	0	Statistical and Computer Applications in the Natural Sciences	
MAT-120	3	Introduction to Applied Statistics	

CHEMISTRY COURSES

CHE-120	3	Principals of Chemistry	
CHE-121 L	1	Principals of Chemistry	
CHE-122	3	Introduction to Chemical Systems	
CHE-122 L	1	Introduction to Chemical Systems	
CHE-211	4	Organic Chemistry I	
CHE-211 L	0	Organic Chemistry I	
CHE-214	4	Organic Chemistry II	
CHE-214 L	0	Organic Chemistry II	

PHYSICS COURSES

PHY-100	3	Principals of Physics I	
PHY-100 L	1	Principals of Physics I	
OR			
PHY-200	3	General Physics I	
PHY-200 L	1	General Physics I	
PHY-101	3	Principals of Physics II	
PHY-101 L	1	Principals of Physics II	
OR			
PHY-201	3	General Physics II	
PHY-201 L	1	General Physics II	