University of Wyoming, College of Arts & Sciences Requirements Checklist – Biology

For students matriculating fall 2003 and after (revised 2/2011).

Stude	ent:	Advisor:	_ Initial Date of Program:				
University Studies Program:							
(P)	Physical Activity & Health	1 course 1 credi	t				
(l)	Intellectual Community	1 course, 1-3 cre	edits				
(V)	U.S. & Wyoming Constitutions	1 course, 3 credi	ts				
(WA)	Writing 1	1 course, 3 credi	ts				
(QA)	Quantitative Reasoning 1		ts				
(QB)	Quantitative Reasoning 2		ts				
(0)	Oral Communication	1 course, 3 credi	ts				
	200 - CD Dialogical, CE Earth, CD D	by since C Integrated Saishas					
	ces – SB Biological; SE Earth; SP P		to				
T COUR	se, 4 credits		ts				
Cultural Context – 9 hours total C, CH, CS, CA; at least 3 courses from 3 of 4 different categories							
Arts (CA) Humanities (CH)			1 course, 3 credits 1 course, 3 credits				
Social science (CS)			1 course, 3 credits				
Integrated Cultural Context (C)			ts				
integre							
Additional USP Requirements: These may be a part (embedded) of courses in the above USP categories or courses in the major. (WB) Writing 2 (WC) Writing 3 (L) Information Literacy (D) U.S. Diversity (G) Global Awareness A&S Core: Foreign Language: For students at the introductory level of a language, 2 courses (8 credits total) in the same language (with a minimum grade of C in the second semester) are required. 1 course, 4 credits 1 course, 4 credits							
Non-Western (NW): Approved courses may simultaneously fulfill other requirements in University Studies program, the A&S Core, or courses in the major, minor, or second major. Approved courses are listed on the A&S Website. 1 course, 3 credits							
Upper Division Courses: 9 credits (3 courses) of Upper Division courses (3XXX-level or above) outside the department/program in which the student's major resides and none that are cross-listed with courses in the department of the major. This cross-listing rule does not apply to majors in the A&S interdisciplinary programs (American Indian studies, American Studies, Earth System Science, Environment and Natural Resources, Microbiology, International Studies, and Women's Studies). These courses cannot be used to also fulfill the USP components of P, I, QA, QB, O, V, WA, S, SB, SE, SP, C, CA, CS, or CH. These courses may also be used in a minor or a second major. 1 course, 3 credits							

University Upper Division Requirement:

48 credits (3XXX-level or above): 30 of which must be earned from the University of Wyoming.

<u>COURSES FOR MAJOR</u> NOTE: MATH 2200 (Calculus I) is highly reco	(S) – Spring Only	(F) – Fall Only <u>USP</u>	CREDITS	PREREQUISITES	
□ MATH 1400 College Algebra	imenueu	QA	3.0	C in MATH 0925 or Level 3 Math Placement or Math ACT of 23 or Math SAT of 600	
□ and MATH 1405 Trigonometry		QA	3.0	C in MATH 1400 or Level 4 Math Placement or Math ACT of 25 or Math SAT of 600	
□ or MATH 1450 Algebra and Trigonometry		QA	5.0	C in MATH 0925 or Level 3 Math Placement or Math ACT of 23 or Math SAT of 600	
□ STAT 2050 Fundamentals of Statistics		QB	4.0	C in MATH 1000, 1400 or equivalent	
□ or STAT 2070 Intro Statistics for the Social So	iences	QB	4.0	C in MATH 1000, 1400 or equivalent	
CHEM 1000 Introductory Chemistry (F)		SP	4.0	Math ACT of 23	
□ or CHEM 1020 General Chemistry I		SP	4.0	Math ACT of 23, or Concur MATH 1400, or 1405 or 1450	
CHEM 2300 Intro Organic Chemistry (S)			4.0	1000, 1020, 1050	
□ CHEM 3610/MOLB 3610 Prin of Biochemistry	(F)		4.0	LIFE 1000 or 1010, and CHEM 2300 or 2440	
PHYS 1110 General Physics I (F)		SP	4.0	MATH 1450, 1405	
□ PHYS 1120 General Physics II (S)		SP	4.0	1110	
□ LIFE 1010 General Biology		SB	4.0	C in MATH 0921 or Level 2 Math Placement or Math ACT of 21 or Math SAT of 600	
LIFE 2022 Animal Biology (S)			4.0	C in 1010	
□ LIFE 2023 Biology of Plants and Fungi (F)			4.0	C in 1010	
MOLB/MICR 2021 General Microbiology			4.0	LIFE 1010, CHEM 1000	
□ LIFE 3050 Genetics			4.0	1010 and one of 2022, 2023, or MICR/MOLB 2021 with C in each	
□ LIFE 3400 General Ecology			3.0	1010 and one of 2022, 2023, or MICR/MOLB 2021 with C in each	
□ LIFE 3500 Evolutionary Biology			3.0	1010 and one of 2022, 2023, or MICR/MOLB 2021 with C in each	
Course:	at any at 3000 level or higher (BOT 4100 cannot be included here)				
□ Course: 6 hours Zoology at 3000 level or higher (ZOO 41 □ Course: □ Course:					
At least 30 (but not more than 60) credit hour	s in the maior with a	arades of C or bet	ter BOT 4900	ZOO 4900 BOT 4970 ZOO	

At least 30 (but not more than 60) credit hours in the major with grades of C or better. BOT 4900, ZOO 4900, BOT 4970, ZOO 4971, and ZOO 4975 cannot be included here, but do count in the 48 credit hour upper division requirement.

□ Course: LIFE 1010 (see above) □ Course: LIFE 2022 (see above) Course: LIFE 2023 (see above) □ Course: MOLB 2021 (see above) □ Course: LIFE 3400 (see above) □ Course: LIFE 3500 (see above) □ Course: _____ Course: ______ _____ Course: ______ _____ _____ Course: ______ _____ _____ Course: ______ _____ _____ Course: ______ _____ ____ _____ _____