University of Wyoming, College of Arts & Sciences Requirements Checklist – Chemistry B.A. For students matriculating fall 2003 and after.

Student:		Advisor:	Initial Date of Program:
(P) (I) (V) (WA) (QA) (QB) (O) Cultura Arts (C Huma Social	Physical Activity & Health Intellectual Community U.S. & Wyoming Constitutions Writing 1 Quantitative Reasoning 1 Quantitative Reasoning 2 Oral Communication al Context – 9 hours total C, CH, CSCA) nities (CH) science (CS) ated Cultural Context (C)	1 1 1 1 1 5, CA; at least 3 courses 1 1	course, 1 credit
These (WB)	onal USP Requirements: may be a part (embedded) of cours Writing 2 Writing 3 Information Literacy U.S. Diversity Global Awareness	ses in the above USP ca - - - - -	tegories or courses in the major.
(with a 1 cour	n Language: For students at the into minimum grade of C in the second se, 4 credits	semester) are required.	uage, 2 courses (8 credits total) in the same language course, 4 creditsther requirements in University Studies program, the
A&S C		or second major. Appro	oved courses are listed on the A&S Website.
depart the ma Americ Wome SE, SI 1 cour 1 cour	ment/program in which the student' ajor. This cross-listing rule does not can Studies, Earth System Science,	s major resides and none apply to majors in the A Environment and Naturate be used to also fulfill the s may also be used in a	curses (3XXX-level or above) outside the ethat are cross-listed with courses in the department of &S interdisciplinary programs (American Indian studies at Resources, Microbiology, International Studies, and e USP components of P, I, QA, QB, O, V, WA, S, SB, minor or a second major.
	rsity Upper Division Requirement dits (3XXX-level or above): 30 of wh		n the University of Wyoming.

The following courses are for the major requirements and are offered in no particular order. Please consult with your advisor for scheduling sequence. (**Courses offered in alternating years (S) – Spring Only (F) – Fall Only)

COURSE ☐ CHEM 1001 Chemistry Community Recommended, not required	USP I, L	CREDITS 1.0	PREREQUISITES None		
☐ CHEM 1020 General Chemistry I or	SP	4.0	Math ACT 23, or Concur MATH 1400 Or 1405 or 1450		
☐ CHEM 1050 Advanced General Chemistry (F)	SP	4.0	1 yr H.S. Chem & Math ACT 27 or Concur MATH 2200		
☐ CHEM 1030 General Chemistry II	SP	4.0	1020		
☐ CHEM 1060 Advanced General Chemistry II (S)	SP	4.0	1020 (w/consent) or 1050		
 □ CHEM 2230 Quantitative Analysis (S) □ CHEM 2420 Organic Chemistry I □ CHEM 2440 Organic Chemistry II (S) □ CHEM 4110 Introductory Inorganic Chemistry (F) 		4.0 4.0 4.0 3.0	1030, 1060 or equiv 1030 or 1060 1030 or 1060&2420 2420		
☐ CHEM 4507 Physical Chemistry I (F) or	SP	3.0	1 yr gen chemistry, MATH 2210, PHYS 1220/1320		
☐ CHEM 3550 Physical Chem for the Life Sci (F**)	SP	3.0	CHEM1030, MATH2200		
□ MATH 2200 Calculus I	QB	4.0	C in 1405 or 1450 or Level 5 Math Placement or ACT Math 27 or SAT Math 600		
☐ MATH 2205 Calculus II		4.0	C in 2200 or Advanced Placement in 2200		
☐ PHYS 1110 General Physics I (F)	SP	4.0	MATH 1450, 1405 or equivalent		
☐ PHYS 1210 Engineering Physics I	SP	4.0	C in MATH 2200 & Concur in MATH 2205		
□ PHYS 1310 College Physics I (F)	SP	4.0	MATH 2200 & Concur in MATH 2205		
☐ PHYS 1120 General Physics II (S)	SP	4.0	C in PHYS 1110		
or ☐ PHYS 1220 Engineering Physics II	SP	4.0	C in 1210, MATH 2200, 2205 & Concur in 2210		
or □ PHYS 1320 College Physics II (S)	SP	4.0	1310, MATH 2200, 2205 & Concur in 2210		
Upper Division Electives – 6 hrs (Not CHEM 4920, and no more than 3 hrs in 4930 – at least 1 hr from lab work included in CHEM 4100, 4230, 4525, or 4530) Course:					
☐ Course:					

University of Wyoming, College of Arts & Sciences Requirements Checklist – Chemistry B.S. Plan 1 For students matriculating fall 2003 and after.

Student:		_ Advisor:	Initial Date of Program:
Univ	ersity Studies Program:		
(P)	Physical Activity & Health	1 co.	ırse, 1 credit
(I)	Intellectual Community	1 cou	urse, 1-3 credits
(V)	U.S. & Wyoming Constitutions	1 cou	urse, 3 credits
(WA)	Writing 1	1 cou	ırse, 3 credits
(QA)	Quantitative Reasoning 1	1 cou	ırse, 3 credits
(QB)	Quantitative Reasoning 2	1 COL	irse, 3 credits
(O)	Oral Communication	1 cou	ırse, 3 credits
Cultur	al Context – 9 hours total C, CH, C	S, CA; at least 3 courses fron	n 3 of 4 different categories
Arts (CA)		1 cou	ırse, 3 credits
	nities (CH)	1 cou	ırse, 3 credits
	science (CS)	1 cou	ırse, 3 credits
Integra	ated Cultural Context (C)	1 cou	urse, 3 credits
۸ طط:	tional USB Boquiromanta		
	tional USP Requirements: may be a part (embedded) of cour	ses in the above USP catego	ries or courses in the major
	Writing 2		noo or oodrooo in the major.
	Writing 3		
(L)	Information Literacy		
(D)	U.S. Diversity		
(Ġ)	Global Awareness		
(with a	a minimum grade of C in the second rise, 4 credits	d semester) are required.	e, 2 courses (8 credits total) in the same language
A&S C		, or second major. Approved	requirements in University Studies program, the courses are listed on the A&S Website.
depart the ma Ameri Wome SE, Si 1 cour 1 cour	tment/program in which the student ajor. This cross-listing rule does no can Studies, Earth System Science	's major resides and none that apply to majors in the A&S in Environment and Natural Rot be used to also fulfill the Uses may also be used in a mineral	es (3XXX-level or above) outside the at are cross-listed with courses in the department of nterdisciplinary programs (American Indian studies esources, Microbiology, International Studies, and SP components of P, I, QA, QB, O, V, WA, S, SB, or or a second major.
Univ	ersity Upper Division Requi	rement:	

The following courses are for the major requirements and are offered in no particular order. Please consult with your advisor for scheduling sequence. (**Courses offered in alternating years (S) – Spring Only (F) – Fall Only)

COURSE ☐ CHEM 1001 Chemistry Community Recommended, not required	USP I, L	CREDITS 1.0	PREREQUISITES none
☐ CHEM 1020 General Chemistry I or	SP	4.0	Math ACT 23, or Concur MATH 1400 Or 1405 or 1450
☐ CHEM 1050 Advanced General Chemistry I (F)	SP	4.0	1 yr H.S. Chem & Math ACT 27 or Concur MATH 2200
☐ CHEM 1030 General Chemistry II or	SP	4.0	1020
☐ CHEM 1060 Advanced General Chemistry II (S)	SP	4.0	1020 (w/consent) or 1050
☐ CHEM 2230 Quantitative Analysis (S) ☐ CHEM 2420 Organic Chemistry I		4.0 4.0	1030, 1060 or equiv 1030 or 1060
☐ CHEM 2440 Organic Chemistry II (S)		4.0	1030 or 1060&2420
☐ CHEM 4000 Career Skills (F)		1.0	Concur 4110
☐ CHEM 4100 Inorganic Chemistry Laboratory		2.0	2440 and 4110 (or concur 4110)
☐ CHEM 4110 Introductory Inorganic Chemistry (F)		3.0	2420
☐ CHEM 4507 Physical Chemistry I (F)	SP	3.0	1 yr gen chemistry, MATH 2210, PHYS 1220/1320
☐ CHEM 4508 Physical Chemistry II (S)	SP	3.0	4507
☐ CHEM 4525 Physical Chemistry Laboratory I (F) or		1.0	4507 or Concur 4507
☐ CHEM 4530 Physical Chemistry Laboratory II (S)		1.0	4508 or Concur 4508
☐ CHEM 4930 Undergraduate Research		2.0 (max9)	Consent of Instructor
☐ MATH 2200 Calculus I	QB	4.0	C in 1405 or 1450 or Level 5 Math Placement or ACT Math 27 or SAT Math 600
☐ MATH 2205 Calculus II		4.0	C in 2200 or Advanced Placement in 2200
☐ MATH 2210 Calculus III		4.0	C in 2205 or Advanced Placement in 2205
☐ PHYS 1210 Engineering Physics I	SP	4.0	C in MATH 2200 & Concur in MATH 2205
☐ PHYS 1310 College Physics I (F)	SP	4.0	MATH 2200 & Concur in MATH 2205
☐ PHYS 1220 Engineering Physics II	SP	4.0	C in 1210, MATH 2200, 2205 & Concur in 2210
☐ PHYS 1320 College Physics II (S)	SP	4.0	1310, MATH 2200, 2205 & Concur in 2210
Upper Division Electives – 3 hrs (Not 4920 or 4930) ☐ Course:			