

Physics Plus, BS



University of Wyoming

Freshman Fall Semester		Hrs	Min Grade	Notes
*	PHYS 1210 College Physics I	4		
*#	MATH 2200 Calculus I	4	C	USP Q
	CHEM 1020 General Chemistry I	4		USP PN
†	First-Year Seminar	3	C	USP FYS
Credit hours subtotal:		15		

Freshman Spring Semester		Hrs	Min Grade	Notes
*	PHYS 1220 College Physics II	4		
*	MATH 2205 Calculus II	4	C	USP Q; Prereq MATH 2200
#	Communication 1	3	C	USP COM1
‡	4-credit USP course (perhaps secondary area)	4		USP PN
Credit hours subtotal:		15		

Sophomore Fall Semester		Hrs	Min Grade	Notes
F*	PHYS 2310 College Physics III - Waves and Optics	4		Prereq PHYS 1220
*	MATH 2210 Calculus III	4		Prereq MATH 2205
	COSC 1010 Computer Science I	4		
‡	elective USP course	3	C	USP COM2
Credit hours subtotal:		15		

Sophomore Spring Semester		Hrs	Min Grade	Notes
S*	PHYS 2320 College Physics IV - Modern Physics	3		Prereq PHYS 1220
S	PHYS 4210 Classical Mechanics I	3		Prereq PHYS 2310
	course from secondary area	3		
‡	4-credit USP course	4		USP H, ASG
‡	elective USP course	3		USP V
Credit hours subtotal:		16		

Notes:

*Not finishing this class by the listed semester may greatly delay degree completion

the university suggests that this USP requirement should be completed in freshman year

† the university advises that this USP requirement must be completed in freshman year

S,F only offered in the Spring, Fall semester SS only offered every other Spring semester

‡ USPs except FYS & COM must be taken outside of our department. See Physics BS 4 year plan for notes on USP and A&S requirements. Physics Plus requires 27 hours in a secondary area approved by the Physics Dept. and secondary advisor (a minimum of 9 of which must be upper division, one may satisfy the PN requirement).

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Junior Fall Semester		Hrs	Min Grade	Notes
	course from secondary area	3		
F	PHYS 4410 Electricity and Magnetism I	3		Prereq PHYS 4210
F	PHYS 4310 Quantum Mechanics I	3		Prereq PHYS 4210
	MATH 2310 Applied Differential Equations	3		Prereq MATH 2205
	4-credit USP course	4		USP H, ASD
Credit hours subtotal:		16		

Junior Spring Semester		Hrs	Min Grade	Notes
‡S	PHYS 3650 Advanced Lab Modern Physics	4	C	USP COM3; Prereq PHYS 2320
	elective course, perhaps from second major	4		
	Upper division elective from secondary area	3		
SS	Upper division elective, PHYS 4350, PHYS 4830	3		
Credit hours subtotal:		14		

Senior Fall Semester		Hrs	Min Grade	Notes
F	PHYS 4510 Thermodynamics & Stat Mechanics	3		
	Upper division elective, perhaps from second major	3		
	Upper division elective from secondary area	4		
	Upper division elective from secondary area	4		
Credit hours subtotal:		14		

Senior Spring Semester		Hrs	Min Grade	Notes
	Upper division elective from secondary area	4		
	Upper division elective from secondary area	4		
SS	Upper division elective, PHYS 4350, PHYS 4830	3		
	Upper division elective, perhaps from second major	4		
Credit hours subtotal:		15		

TOTAL CREDIT HOURS: 120

Notes:

*** A&S requires at least 120 credits and the university requires at least 48 credits at 3000+ level

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