

Graduation Checklist for B.S. in Physics

Core Area I (Institution 4 hrs)		
Course	Sem/Yr	Hrs
INQR*		2
INQR*		2

* Each must be from a different area, 21xx, 22xx, ..., 27xx

Core Area M (Mathematics 3 hrs)		
Course	Sem/Yr	Hrs
MATH 1113		3

Core Area P (Citizenship 6 hrs)		
Course	Sem/Yr	Hrs
POLS 1101		3
HIST 2111 or 2112		3

Core Area A (Humanities 6 hrs)		
Course	Sem/Yr	Hrs
ENGL 2111, 2112, or 2113		3
*		3

* Foreign lang preferred, or ART 1100; COMM 1100, 1110; DANC 1500; MUSC 1100, 1110, 1120, 1130; MDIA 2000; THEA 1100; PHIL 2010, 2020; REL 2020; WGST 2010

Core Area C (Writing 6 hrs)		
Course	Sem/Yr	Hrs
ENGL 1101		3
ENGL 1102		3

Core Area T (STEM 11 hrs)		
Course	Sem/Yr	Hrs
MATH 2261*		3
PHYS 2211K		4
PHYS 2212K		4

* 1 hr. spills to Area F

Core Area S (Social Sciences 6 hrs)		
Course	Sem/Yr	Hrs
*		3
*		3

* AFAM/WGST 2020; ANTH 1102; ECON 1500; GEOG 1100, 1101, 1102, 1103; POLS 2101, 2401, 2501; PSYC 1101; SOCI 1101, 1160

Core Area F (Field of Study 18 hrs)		
Course	Sem/Yr	Hrs
MATH 2262		4
MATH 2263		4
PHYS 2700		1
*		4
*		4
MATH 2261 (spilled from D)		1

* Lab science: BIOL 1107, 1107L, 1108, 1108L; CHEM 1211, 1211L, 1212, 1212L; ASTR 1010K, 1020K

Lab Electives (8 hrs)		
Course	Sem/Yr	Hrs
*		4
*		4

* Choose 2 from PHYS 3040, 3100, or 4040

Courses Required for the Major (28 hrs)		
Course	Sem/Yr	Hrs
PHYS 3810		3
PHYS 3820		4
PHYS 4111		3
PHYS 4112		3
PHYS 4211		3
PHYS 4212		3
PHYS 4310		3
PHYS 4411		3
PHYS 4412		3

Supporting Math Courses (6 hrs)		
Course	Sem/Yr	Hrs
MATH 2150		3
MATH 3340 or PHYS 3800		3

Language (3-6 hrs)		
Course	Sem/Yr	Hrs
*		3
*		3

* CS 1301, 1302 or choose another foreign language not taken by Area C. ARAB 100X, 200X; FREN 100X, 200X; GRMN 100X, 200X; JAPN 100X, 200X; LATN 100X, 200X; RUSS 100X, 200X; SPAN 100X, 200X. 2 hours from CS spill into Guided Electives.

Guided Electives* (12-15 hrs)		
Course	Sem/Yr	Hrs
ASTR 3220		3
ASTR 3400		3
ASTR 3800		3
ASTR 4900		3
PHYS 3040**		4
PHYS 3100**		4
PHYS 3820		4
PHYS 3821		3
PHYS 4040**		4
PHYS 4300		3
MATH 3040		3
MATH 3600		3
MATH 4081		3
MATH 4082		3
MATH 4150		3
MATH 4300		3

* Choose from any 3000- or 4000-level course from ASTR, PHYS, CS, CHEM, BIOL, or MATH (except MATH 4161).

** Exclude courses already taken by Lab Electives.