

Graduation Checklist for B.S. in Physics (*Applied Physics Track*)

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
CS 1301		4
*		4
MATH 2261 (spilled from D)		1

*All core science and math courses must be completed with a grade of "C" or better.

**Select one of the following sequences: BIOL 1107/1107L, CHEM 1211/1211L

Courses Required for the Major (33 hrs)		
Course	Sem/Yr	Hrs
*		4
CS 1302		4
PHYS 3040		4
PHYS 3100		4
PHYS 3820		4
PHYS 4040		4
PHYS 4111		3
PHYS 4211		3
PHYS 4411		3

*Select one of the following sequences: BIOL 1108/1108L, CHEM 1212/1212L

Supporting Math Courses (6 hrs)		
Course	Sem/Yr	Hrs
*		3
*		3

* MATH 2150, 3040, 3340, 3600, 4150, 4260, 4300, 4540

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

* ARAB 100X, 200X; FREN 100X, 200X; GRMN 100X, 200X; JAPN 100X, 200X; LATN 100X, 200X; RUSS 100X, 200X; SPAN 100X, 200X. 3 hours may be taken in Area A

Guided Electives (15-18 hrs)		
Course	Sem/Yr	Hrs
*		3
*		3
*		3
*		3
*		3
*		3

* BIOL 3200, 3250, 3350, 3450, 3460, 3610, 3650, 3680, 3700, 3810, 4100, 4250, 4450, 4850, 4950; CHEM 2210, 2310, 3320, 3401, 3402, 3510, 3601/3601L, 3602, 3802, 4210, 4310, 4420, 4810, 4920; CS 1010, 3101, 3102, 3300, 3335, 3340, 3410, 3520, 4121, 4122, 4321, 4322, 4340, 4721, 4722, 4990.

Note: Students must complete at least 39 credit hours of upper-level (3000-4999) courses.