

BS IN PHYSICS COURSE FLOWCHART

Freshman		Sophomore		Junior		Senior	
Fall (14 hrs)	Spring (15 hrs)	Fall (14 hrs)	Spring (16 hrs)	Fall (14 hrs)	Spring (18 hrs)	Fall (16 hrs)	Spring (13 hrs)
ENGL 1301 1st Year Writing I (See course placement criteria web page)	ENGL 1302 ^{1st} Year Writing II (ENGL 1301 or equiv)	HIST 1377 US Hist. I (No Prerequisite)	HIST 1378 US Hist. II (No Prerequisite)	GOVT 2305 US & TX Politics (No Prerequisite)	GOVT 2306 US Gov't (No Prerequisite)	Life and Physical Sciences *(See your advisor)* 3 hours	NSM Capstone (Hours to go towards your capstone option, example is a minor) 3 hours OR Free Elective 3 hour
Social and Behavioral Science (See core approved web page)*** 3 hours	CHEM 1312 Fund. of Chem. II (CHEM 1311)	MATH 2318 Linear Algebra (Credit or concurrent enrollment in MATH 2414)	Language, Phil and Culture (See core approved web page)*** 3 hours	MATH 3363 Intro. PDE (MATH 2415 & either MATH 3321 or MATH 3331) Spring and Fall OR Math 4397 Math Methods in Physics I Fall Only	Creative Arts (See core approved web page)*** 3 hours	PHYS Elective (3000 or 4000 level) 3 hours	NSM Capstone (Hours to go towards your capstone option, example is a minor) 3 hours
CHEM 1311 Fund. Of Chem. I (MATH 1314 & HS Chemistry or CHEM 1305)	CHEM 1112 Fund. Of Chem. Lab II (Credit or concurrent enrollment in CHEM 1312)	MATH 2415 Calculus III (MATH 2414)	MATH 3331 Differential Eqn. (MATH 2415 & MATH 2318)	PHYS 3309 Intermediate Mech. (MATH 3331 & PHYS 2326) Fall Only	Free Elective (computer course recommended) 3 hours	PHYS 4321 Inter. Elec. Theory I (PHYS 2326 and MATH 3363 or MATH 4397 Math Methods in Physics I) Fall only	Free Elective 4 hour
CHEM 1111 Fund. of Chem. Lab I (Credit or concurrent enrollment in CHEM 1311)	MATH 2414 Calculus II (MATH 2413)	PHYS 2326 Univ. of Physics II (Credit or concurrent enrollment in MATH 2415)	PHYS 3110 Adv. Lab. Analysis (PHYS 2126 & PHYS 2326) Spring and Fall	PHYS 3316 Quantum Mechanics (PHYS 3315) Spring and Fall	MATH 3364 Complex Analysis (MATH 2415) Spring and Fall	PHYS 4322 Inter. Elec. Theory II (PHYS 4321) Spring only	PHYS 4322 Inter. Elec. Theory II (PHYS 4321) Spring only
MATH 2413 Calculus I (MPE score of 65 or MATH 2312 or See course placement criteria web page)	PHYS 2325 Univ. Physics I (Credit or concurrent enrollment in MATH 2414)	PHYS 2126 Physics Lab II (Credit or concurrent enrollment in PHYS 2326)	PHYS 3315 Modern Physics (PHYS 1301 and 1302, or PHYS 2326, and credit or concurrent enrollment in MATH 3331) Spring and Fall	PHYS 3214 Adv. Lab II (PHYS 2126, 2326, 3315, and credit or concurrent enrollment in PHYS 3110) Spring and Fall	PHYS 3327 Thermal Physics (PHYS 3309) Spring Only	PHYS 3312 & PHYS 3112 Modern Optics and Lab (PHYS 2326 or, with consent of instructor, PHYS 1302 & MATH 2415; Credit or concurrent enrollment in PHYS 3110 & PHYS 3312) Spring Only OR PHYS 4421 Elect. Devices & App. (PHYS 2126) Fall Only	PHYS Elective (3000 or 4000 level) 3 hours
	PHYS 2125 Univ. Physics Lab I (Credit or concurrent enrollment in PHYS 2325)		PHYS 3313 Adv. Lab I (PHYS 2126, PHYS 2326, and credit or concurrent enrollment in PHYS 3315 and 3110) Spring and Fall		Life and Physical Sciences *(See your advisor)* 3 hours		

*** Approved Core *** <https://www.uh.edu/academics/corecurriculum/>

** FYI ** Math Minor complete with 3 hours of a 4000 level MATH course (Satisfies NSM Capstone)

* Computer classes recommended

* Meet with your advisor before registering for all classes

* 120 total hours/ 36 advanced hours

* 42 Physics hours (34 advanced Physics hours)

* 2.0 Cumulative GPA, 2.0 Major GPA, and 2.0 Minor GPA

* Last 30 hours must be taken at U of H

* No more than 6 hrs in major course work below a C-