

BA IN PHYSICS COURSE FLOWCHART

Freshman		Sophomore		Junior		Senior	
Fall (14 hrs)	Spring (15 hrs)	Fall (17 hrs)	Spring (16 hrs)	Fall (15 hrs)	Spring (15 hrs)	Fall (16 hrs)	Spring (12 hrs)
ENGL 1301 (previously 1303) 1st Year Writing I (See course placement criteria web page)	ENGL 1302 (previously 1304) 1st Year Writing II (ENGL 1301 or equiv)	HIST 1377 <i>US Hist. I</i> (No Prerequisite)	HIST 1378 <i>US Hist. II</i> (No Prerequisite)	GOVT 2305 (prev. POLS 1336) <i>US & TX Politics</i> (No Prerequisite)	GOVT 2306 (prev. POLS 1337) <i>US Gov't</i> (No Prerequisite)	NSM Capstone <i>(Hours to go towards your capstone option, example is a minor)</i> 3 hours	NSM Capstone <i>(Hours to go towards your capstone option, example is a minor)</i> 3 hours
Social and Behavioral Sciences (See core approved web page)*** 3 hours	CHEM 1312 (previously 1332) <i>Fund. of Chem. II</i> (CHEM 1311)	MATH 2318 (previously 2331) <i>Linear Algebra</i> (Credit or concurrent enrollment in MATH 2414)	PHYS 3110 <i>Adv. Lab. Analysis</i> (PHYS 2126 & PHYS 2326) Spring and Fall	MATH Elective (3000 or 4000 level) 3 hours	Creative Arts (See core approved web page)*** 3 hours	Language, Phil and Culture (See core approved web page)*** 3 hours	PHYS Elective (3000 or 4000 level) 3 hours
CHEM 1311 (previously 1331) <i>Fund. Of Chem. I</i> (MATH 1314 & HS Chemistry or CHEM 1305)	CHEM 1112 <i>Fund. Of Chem. Lab II</i> (Credit or concurrent enrollment in CHEM 1312)	Foreign Language <i>1000 level</i> 3 hours	Foreign Language <i>1000 level</i> 3 hours	Foreign Language <i>2000 level</i> 3 hours	Foreign Language <i>2000 level</i> 3 hours	Free Elective 3 hours	Free Elective 3 hours
CHEM 1111 <i>Fund. of Chem. Lab I</i> (Credit or concurrent enrollment in CHEM 1311)	MATH 2414 (previously 1432) <i>Calculus II</i> (MATH 2413)	MATH 2415 (previously 2433) <i>Calculus III</i> (MATH 2414)	MATH 3331 <i>Differential Eqn.</i> (MATH 2415 & MATH 2318)	Phys Elective 3 hours	MATH Elective (3000 or 4000 level) 3 hours	PHYS Elective (3000 or 4000 level) 3 hours	Life and Physical Sciences *(See your advisor)* 3 hours
MATH 2413 (previously 1431) <i>Calculus I</i> (MPE score of 65 or MATH 2312 or See course placement criteria web page)	PHYS 2325 (previously 1321) <i>Univ. Physics I</i> (Credit or concurrent enrollment in MATH 2414)	PHYS 2326 (previously 1322) <i>Univ. of Physics II</i> (Credit or concurrent enrollment in MATH 2415)	PHYS 3315 <i>Modern Physics</i> (PHYS 1301 and 1302, or PHYS 2326, and credit or concurrent enrollment in MATH 3331) Spring and Fall	Life and Physical Sciences *(See your advisor)* 3 hours	PHYS Elective (3000 or 4000 level) 3 hours	PHYS 3312 & PHYS 3112 <i>Modern Optics and Lab</i> (PHYS 2326 or, with consent of instructor, PHYS 1302 & MATH 2415; Credit or concurrent enrollment in PHYS 3110 & PHYS 3312) Spring Only	
	PHYS 2125 (previously 1121) <i>Univ. Physics Lab I</i> (Credit or concurrent enrollment in PHYS 2325)	PHYS 2126 (previously 1122) <i>Physics Lab II</i> (Credit or concurrent enrollment in PHYS 2326)	PHYS 3313 <i>Adv. Lab I</i> (PHYS 2126, PHYS 2326, and credit or concurrent enrollment in PHYS 3315 and 3110) Spring and Fall			OR PHYS 4421 <i>Elect. Devices & App.</i> (PHYS 2126) Fall Only	

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

** FYI ** Math Minor complete with 3 hours of 3000 level MATH and 3 hours of a 4000 level MATH (Satisfies NSM Capstone)

* Must have 6 hours of 2000 level or above in one foreign language

* Meet with your advisor before registering for all classes

* 120 total hours/ 36 advanced hours

* 31 Physics hours (23 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-