Name:	Dat • In•	ate:
PeopleSoft ID:		
Checklist for BS in Physics  APPROVED ADVANCED PHYSICS ELECTIVES		
Tr UH	PHYSICS (42 Hours):  PHYS 2125 PHYS 2325 PHYS 2326 PHYS 2126 PHYS 2126 University Physics Lab I PHYS 2326 University Physics Lab II PHYS 2326 University Physics II PHYS 3110 Advanced Lab Analysis PHYS 3313 Advanced Lab I ****(WID)	(Check Catalog for Pre-Requisites)  PHYS 3305: Introduction to Astrophysics PHYS 3312: Modern Optics PHYS 4337: Introduction to Solid State Physics PHYS 4421: Electronic Devices & their Applications PHYS 4350: Computational Physics PHYS 4356: Introduction to Particle Physics PHYS 4360 Suborbital Methods in Space & Atmospheric Physics PHYS 4360 Suborbital Methods in Space & Atmospheric Physics
	PHYS 3214 Advanced Lab II PHYS 3309 Intermediate Mechanics	PHYS 4370 Nanophysics PHYS 4397: Selected Topics in Physics (With consent from the Physics Department)
	PHYS 3312 & PHYS 3112         Modem Optics & Lab           OR         PHYS 4421         Electronic Devices & Applications           PHYS 3315         Modern Physics I           PHYS 3316         Quantum Mechanics           PHYS 3327         Thermal Physics           PHYS 4321         Intermediate Electromagnetic Theory I           PHYS 4322         Intermediate Electromagnetic Theory II           PHYS _3_         Advanced PHYS Elective - 3 hours           PHYS _3_         Advanced PHYS Elective - 3 hours	*NOTE: Students are required to take either PHYS 3312 and 3112 OR PHYS 4421; however, the course the student does not take CAN be taken as a Physics elective.  Students in catalogs before 2011 are required to complete MATH 3335 Vector Analysis. Students in the 2011-2012 Catalog are required to complete MATH 3364 Complex Analysis.
	CHEMISTRY (8 Hours):  CHEM 1111 Fundamentals of Chemistry Lab I  CHEM 1311 Fundamentals of Chemistry I  CHEM 1112 Fundamentals of Chemistry Lab II  CHEM 1312 Fundamentals of Chemistry II	Must choose Minor Senior Research Project from one of the following: Double Degree teachHouston
	MATHEMATICS (24 Hours): MATH 2413 Calculus I	Tr UH
	MATH 2414 Calculus II  MATH 2415 Linear Algebra  MATH 3315 Differential Equations  MATH 3361 Intro to Partial Differential Equations  OR MATH 4370 Mathematics for Physicists  MATH 3364 Complex Analysis	
	AATURAL SCIENCES (6 Hours)**  Approved 3 hours: Approved 3 hours:  **CANNOT BE OTHER PHYSICS COURSES** CHECK UH CATALOG FOR ELIGIBILITY AND PRE-REQUISITES	CORE (Check UH catalog or Core Website for Pre-Requisites)  Tr UH  COMMUNICATION (6 Hours):  ENGL 1301 First Year Writing I  ENGL 1302 First Year Writing II
Commonly-taken  Tr UH	## BIOL 1306, 1307, 2301, 2302  GEOL 1302, 1303, 1304, 1340, 1345, 1347    FREE ELECTIVES	STATE REQUIREMENTS (12 Hours):  American History (3 Hours) American History (3 Hours) American History (3 Hours) GOVT 2305 U.S. Government: Congress, President, and Court GOVT 2306 U.S. and Texas Constitutions and Politics
		FROM APPROVED CORE LIST (12 Hours): Choose from UH Core Website  Creative Arts (3 Hours)  Language, Philosophy & Culture (3 Hours)  Social & Behavioral Science (3 Hours)  Writing in the Disciplines (3 Hours) ***
	RULES YOU NEED TO KNOW:  1. MINIMUM of a 2.00 GPA in cumulative, major, and minor GPA to graduate 2. C-RULE: MAXIMUM of 6 hours of grades below C- allowed in UH PHYS courses 3. PRE-REQ RULE: Must earn C- or better in pre-requisite for PHYS courses 4. LAST 30 hours must be exclusively completed at UH 5. MAXIMUM of 66 W's allowed during entire undergraduate career 6. MINIMUM of 36 advanced hours and 120 total hours to graduate 7. MAXIMUM of 66 lower level transfer hours may be applied towards UH degree	Advisor: 4.1.2022 AC