Physics-BS *Interdisciplinary Track* 120 Credits Total 37 Credits in Major

ABOUT THE PHYSICS BS DEGREE-Interdisciplinary Track:

The BS in Physics-Interdisciplinary track provides preparation primarily for students who want to combine their physics degree with a degree in secondary education and/or in general are not planning to move on to graduate studies in physics. The curriculum provides a general background in both theoretical and experimental physics. The degree can also be used as a foundation for further study at the graduate level or for preparation for a career as a professional physicist in industry or government.

Step 1:

Major Requirements:

Course	Semester	Credits	Grade
PHY 203/273*		4	
PHY 204/274*		4	
PHY 205/275*		4	
PHY 306		3	
PHY 322		3	
PHY 331		3	
PHY 381		3	
PHY 382		3	
PHY 401		1	
PHY 410		3	
PHY 451		3	
PHY 491 or 492 (capstone)		3	

*Course counts for general education credit

Students are encouraged to use elective credits to develop a program of study as a minor in applied or interdisciplinary fields such as acoustics, geophysics, optics, energy, astronomy/astrophysics, atmospheric science, computational physics, mathematical physics, physics education, chemical physics, ocean physics, engineering physics, business, education, medicine and molecular biology, and language.

Additional Major Requirements:

Course	Semester	Credits	Grade
MTH 141*		4	
MTH 142*		4	
MTH 215		3	
MTH 243*		3	
MTH 244		3	
CSC 201* or 211		4	

Free elective credits (to meet the 120 credits required for graduation):

Course	Credits	Cou	Credits

Physics-BS *Interdisciplinary Track* 120 Credits Total 37 Credits in Major

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

Step 2:

Step 3:

Gener	al Educati	on Credit Coun	nt	General Education Outcome	Audit
					Course
At least 10 cm	edits no mo	re than 12 credits	with the	KNOWLEDGE	
At least 40 ef	same cou		with the	A1. STEM	
Course	Cr.	Course	Cr.	A2. Social & Behavioral Sciences	
Course	Cr.	Course	Cr.	A3. Humanities	
				A4. Arts & Design	
				COMPETENCIES	
				B1. Write effectively	
				B2. Communicate effectively	
				B3. Mathematical, statistical, or	
				computational strategies	
				B4. Information literacy	
				RESPONSIBILITIES	
				C1. Civic knowledge &	
				responsibilities	
				C2. Global responsibilities	
				C3. Diversity and Inclusion	
				INTEGRATE & APPLY	
				D1. Ability to synthesize	
				GRAND CHALLENGE	
				G. Check that at least one course of	
		Total Gen Ed		your 40 credits is an approved "G"	
		credits	40	course	

SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.

NOTE: This worksheet sheet is a snapshot of your entire curriculum. You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the University Catalog.

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

B.S Physics (2020-2021 Catalog)

Requirements by Type please see reverse for requirements by year

For course titles and pre-requisite information, please visit: uri.edu/catalog

Fall	Spring	Milestones			
	Year One				
PHY 203/273 (Gen Ed A1)	PHY 204/274. (Gen Ed A1)	Overall GPA 2.00			
MTH 141 (Gen Ed A1, B3)	MTH 142 (Gen Ed A1, B3)	Complete URI 101			
Gen Ed	CSC 201 (gen ed B3) or 211	Complete 30cr (or consider summer/J- term courses)			
Gen Ed	Gen Ed	Meet with Advisor for credit check			
URI 101	Gen Ed				
		Move from UC to College of Arts &			
15 total credits	15-18 total credits	Sciences (Complete 24 credits and overall GPA 2.00			

Year Two				
PHY 205/275 (gen ed A1, B3)	MTH 244	Overall GPA 2.00		
MTH 215	PHY 306 Pre: PHY 204 and 205	Consider Minor area of study		
MTH 243	PHY 410 Pre: MTH 215 and CSC 200 or CSC 201 or CSC 211. Credit or concurrent enrollment in MTH 244 and PHY 306			
Gen Ed	Gen Ed	Complete 60cr		
Gen Ed	Gen Ed	Meet with advisor		
16 total credits	15 total credits			

Year Three			
PHY 322 Pre: PHY 204 and MTH 244	PHY 331 Pre: PHY 204 and MTH 243	Overall GPA 2.00	
PHY 381 Pre: PHY 204 and 205	PHY 382 Pre: PHY 205 or HPR 322	Declare and complete minor area of study (optional)	
Gen Ed	Elective	Complete Gen Ed requirements	
Gen Ed	Elective	Complete 90cr	
Gen Ed	Elective	Meet with advisor	
15 Total Credits	15 Total Credits		

	Year Four	
PHY 401	PHY 491 or 492-Capstone	Overall GPA 2.00
PHY 451 Pre: PHY 306 and 322, and MTH 215, and 244	Elective	Complete 120crE
Elective	Elective	Meet with advisor to complete intent to graduate form by Oct. 1
Elective	Elective	
Elective	Elective	
13 total credits	15 Total Credits	

Note: This plan is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations.