Interdisciplinary Track120 Credits Total37 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 211		4	

Free elective credits

(to meet the 120 credits required for graduation):

(to meet the 120 credits required for graduation):				
Course	Credits		Course	Credits

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.

<u>STEP 2:</u>

At least 40 credits, no more than 12 credits with the same course code. Course Cr. Course Cr. Total Gen Ed credits 40

General Education Outcome	e Audit
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	
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	T
D1. Ability to synthesize	i .
GRAND CHALLENGE	
G. Check that at least one course of	
your 40 credits is an approved "G"	
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 (2019-2020 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				
MTH 141 (Gen Ed)	MTH 142	Overall GPA 2.00		
PHY 203/273	PHY 204/274	Complete URI 101		
Gen Ed	Gen Ed	Complete 30cr (or consider summer/J-		
	Gen Eu	term courses)		
Gen Ed	Gen Ed	Meet with Advisor for credit check		
URI 101	Gen Ed	Complete WRT course		
		Move from UC to College of Arts &		
44-	(17.12	Sciences (Complete 24 credits and		
(15 cr total)	(17-18 cr total)	overall GPA 2.00		

Year Two			
CSC 211	MTH 244	Overall GPA 2.00	
MTH 243	PHY 306	Consider Minor area of study	
PHY 205/275	PHY 410	Complete MTH 141 and 142 Meet with advisor	
Gen Ed	Gen Ed	Complete 60cr	
Gen Ed	Gen Ed		
(17 cr total)	(15 cr total)		

Year Three			
PHY 322	PHY 331	Overall GPA 2.00	
PHY 381	PHY 382	Declare and complete minor area of study (optional)	
MTH 215	Elective	Complete Gen Ed requirements	
Gen Ed	Elective	Complete 90cr	
Gen Ed	Elective	Meet with advisor	
Gen Ed	(15 cr total)		
(18-19 cr total)			

Year Four			
PHY 401	PHY 491 or 492-Capstone	Overall GPA 2.00	
PHY 451	Elective	Complete 120cr	
Elective	Elective	Meet with advisor to complete intent to graduate form by Oct. 1	
Elective	Elective		
Elective			
(13 cr total)	(12 cr total)		

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.