120 Credits Total 52 Credits in Major

ABOUT THE PHYSICS BS DEGREE:

The BS in Physics program provides the best preparation for students planning to move on to graduate studies in physics and for students seeking careers as professional physicists in industry or government. The curriculum provides a general background in both theoretical and experimental physics. It forms a foundation for further study at the graduate level toward an advanced degree, and also prepares the student 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 420		3	
PHY 451		3	
PHY 452		3	
PHY 455		3	
PHY 483 (capstone)		3	
PHY 484 (capstone)		3	
PHY 510		3	

^{*}Course counts for general education credit

Additional Major Requirements:

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

Free elective credits

(to meet the 120 credits required for graduation):

(to meet the 120 creats requi			
Course	Credits		

Course	Credits

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.

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 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			
D1. Ability to synthesize			
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.

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-term courses)
Gen Ed	Gen Ed	Meet with Advisor for credit check
URI 101	Gen Ed	Complete WRT course
(15 cr total)	(17-18 cr total)	Move from UC to College of Arts & Sciences (Complete 24 credits and 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	MTH 300/400-level	Overall GPA 2.00
PHY 381	PHY 331	Declare and complete minor area of study (optional)
MTH 215	PHY 382	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 452	Overall GPA 2.00	
PHY 420	PHY 455	Complete 120cr	
PHY 451	PHY 484	Meet with advisor to complete intent to graduate form by Oct. 1	
PHY 483	PHY 510		
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.