

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):

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.

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

STEP 3:

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	

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

B.S Physics (2018-2019 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)	

Year Two		
CSC 211	MTH 244	Overall GPA 2.00
MTH 243	PHY 306	Consider Minor area of study
PHY 205/275	PHY 410	Move from UC to College of Arts & Sciences (Complete 24 credits and overall GPA 2.00)
Gen Ed	Gen Ed	Complete 60cr
Gen Ed	Gen Ed	Complete MTH 141 and 142
(17 cr total)	(15 cr total)	Meet with advisor

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.