Physics-BS **THE UNIVERSITY OF RHODE ISLAND** FALL 2023-SPRING 2024

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	Course	Credits

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

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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:

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

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	

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.

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