THE UNIVERSITY OF RHODE ISLAND

Physics & Physical Oceanography- BS

129 Credits Total

ABOUT THE PHYSICS AND PHYSICAL OCEANOGRAPHY DEGREE:

The BS in Physics and Physical Oceanography program is unique in the entire United States. It is jointly offered by the Physics Department and the Graduate School of Oceanography. Students in this program are optimally prepared for graduate studies in oceanography.

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 452		3	
PHY 451		3	
PHY 483†		3	
PHY 484†		3	
MTH 4		3	

* Senior physics research project (PHY 483/484) will be taken at the Graduate School of Oceanography under the supervision of a GSO faculty member.

*Course counts for general education credit

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

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Additional Major Requirements:

Free elective credits

(to meet the 129 credits required for graduation):

Course	Credits	Course	Credits

It is recommended that students planning to attend an oceanography graduate school take PHY 520: Classical Dynamics. Students wishing to keep open the options of physics at the graduate level should take PHY 452: Quantum Mechanics.

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<u>GENERAL EDUCATION GUIDELINES</u> 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 Educat	ion Credit Coun	ıt	Genera
At least 40 cro	,	ore than 12 credits urse code.	with the	KNOWLEDO A1. STEM
Course	Cr.	Course	Cr.	A2. Social &
Course	011	Course	011	A3. Humanitie
				A4. Arts & De
				COMPETEN
				B1. Write effe
				B2. Communi
				B3. Mathemat
				computational
				B4. Information
				RESPONSIB
				C1. Civic kno responsibilitie
				C2. Global res
				C3. Diversity
				INTEGRATI
				D1. Ability to
				GRAND CHA
				G. Check that
		Total Gen Ed		your 40 credit
		credits	40	course

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	1		
D1. Ability to synthesize			
GRAND CHALLENGE	1		
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.