

**2026 Academic Planning Form: PHYSICS/SECONDARY EDUCATION B.A.**

As of 5/20/2022

1st course(s) recommended for Applied Physics (Engineering-Physics Systems)/Secondary Education B.A. - EPS 101 and/or 131, MTH 131

	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
1 <sup>st</sup> Year	DWC 101 (4 credit hrs; Honors 5 credit hrs)	4	DWC 102 (4 credit hrs; Honors 5 credits hrs)	4	
	MTH 131 Calc & Analytical Geometry I ( <b>Quantitative Reasoning Core</b> )	4	MTH 132 Calc & Analytical Geometry II	4	
	EPS 101 General Physics I w/ lab	4	EPS 102 General Physics II w/ lab	4	
	EPS 131 Intro to Engineering (1 cr, taken as 5th course)	1	Intensive Writing I Proficiency	3	
	Diversity Proficiency	3	Philosophy Core	3	
		16		18	
2 <sup>nd</sup> Year	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	MTH 223 Calculus III	4	MTH 304 Differential Equations	3	
	EPS 201 Intro. Modern Physics w/ lab ( <b>Oral Communication Proficiency</b> )	4	EPS 301 Mechanics	3	
	EDU 201 Educational Psychology ( <b>Social Science Core</b> )	3	EDU 206 & 206L Principles of Sec. Ed. w/ Lab	4	
	Theology (200 Level) Core	3	Philosophy Ethics Core	4	
		18		18	
3 <sup>rd</sup> Year	MTH 318 Topics in Applied Mathematics	3	EPS 202 Electronics w/ lab ( <b>Intensive Writing II Proficiency</b> )	4	
	EPS 221 Scientific Programming	3	EPS 430 Thermodynamics	3	
	CHM 101 General Chemistry I w/ lab (or CHM 121) ( <b>Natural Science Core</b> )	4	CHM 102 General Chemistry II w/ lab (or CHM 122)	4	
	EDU 401 & 401L Educational Measurement w/ Lab	4	EDU 303 & 303L Child with Special Needs in Regular Class w/ Lab	4	
	Theology (300 Level) Core	3	Free Elective	3	
		17		18	
4 <sup>th</sup> Year	*EPS 401 Classical Dynamics	3	EDU 450 Student Teach in Sec. School ( <b>Oral Communication Proficiency</b> )	9	
	**EDU 412 & 412L Teach Sci. in Sec. Schools	4	EDU 301 Foundations of Education ( <b>Civic Engagement Proficiency</b> )	3	
	Fine Arts Core	3	EDU 449 Classroom Management (1 cr.)	1	
	Free Elective	3			
	Free Elective	3			
		16		13	
*Graduation Requirement includes a minimum of 120 credit hours*			Total Program of Study Credits		134
**Currently, <i>PHYE Majors</i> fulfill the <i>Natural Science, Social Science and Quantitative Reasoning Cores; the Intensive Writing II and Oral Communication Proficiencies. Note: Secondary Education majors have a two step process to declare, including a basic skills test mandated by the Rhode Island Department of Education and a cumulative GPA of at least</i>					
Core requirements include a foundational component and satisfaction of all proficiencies.					
Foundational Component:			Proficiencies:		
<ul style="list-style-type: none"><li>DWC - 4 semester sequence, 16-20 cr.</li><li>Theology (200 &amp; 300 level) - 6 cr.</li><li>Philosophy (1 Ethics) - 6 cr.</li><li>Natural Science - 3 cr. (<b>CHM 101 OR CHM 121</b>)</li><li>Social Science - 3 cr. (<b>EDU 201</b>)</li><li>Quantitative Reasoning - 3 cr. (<b>MTH 131</b>)</li><li>Fine Arts - 3 cr.</li></ul>			<ul style="list-style-type: none"><li>Intensive Writing - I</li><li>Intensive Writing - II (<b>EPS 202</b>)</li><li>Diversity (<b>EDU 211 suggested</b>)</li><li>Civic Engagement (<b>EDU 301</b>)</li><li>Oral Proficiency ((<b>EPS 201, EDU 450</b>))</li></ul>		
Major Requirements (PHYE Courses):					
<ul style="list-style-type: none"><li>EPS 101, 102, 131, 201, 202, 221, 222, 301, 303*, 430</li><li>MTH 131, 132, 223, 304, 417</li><li>CHM 101-102 (or 121-122)</li></ul>			<ul style="list-style-type: none"><li>EDU 201, 206, 206L, 301, 303, 303L, 401, 401L, 412**, 412L, 449, 450</li><li>*EPS 303 is offered in Fall of odd years. Students in odd grad years should take it Jr. year</li><li>**EDU 412 is offered in Fall of even years.</li></ul>		