

**2025 Academic Planning Form: CHEMISTRY B.A./SECONDARY EDUCATION**

As of 6/1/2021

Example Sequence for CHEMISTRY B.A./SECONDARY EDUCATION (most electives can be chosen at student's discretion.)

	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	4	MTH 132 Calc & Analytical Geometry II	4	
	CHM 121 Intro Chemistry I w/ Lab	4	CHM 122 Intro Chemistry II w/ Lab	4	
	Fine Arts core	3	Philosophy core	3	
		<b>15</b>		<b>15</b>	
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	
	CHM 221 Organic Chemistry I w/ Lab	4	CHM 222 Organic Chemistry II w/ Lab	4	
	EPS 101 General Physics I w/ Lab	4	EPS 102 General Physics II w/ Lab	4	
	EDU 201 Educational Psychology	3	EDU 206/206L Principles of Sec. Ed. w/Lab	4	
		<b>15</b>		<b>16</b>	
3 <sup>rd</sup> Year	CHM 331 Adv. Analytical Chemistry I w/ Lab	4	CHM 321 Physical Chemistry I	3	
	CHM 381 Chemistry Seminar	1	CHM 382 Chemistry Seminar	2	
	EDU 401/401L Educ. Measurement w/ Lab	4	EDU 303/303L Child w/ Sp. Needs in Reg. Class.	4	
	Theology I core	3	Theology II core	3	
	Free Elective	3	Free Elective	3	
		<b>15</b>		<b>15</b>	
4 <sup>th</sup> Year	CHM 401 Inorganic Chemistry w/ Lab	4	EDU 450 Student Teaching	9	
	CHM 481 Chemistry Seminar	2	CHM 482 Chemistry Seminar	0	
	EDU 412/412L Teaching Science in Sec. Sch.	4	EDU 301 Foundations of Education	3	
	Philosophy Ethics core	3	EDU 449 Classroom Management	1	
	Science Elective*	3			
		<b>16</b>		<b>13</b>	
<b>*Graduation Requirement includes a minimum of 120 credit hours*</b>			<b>Total Program of Study Credits</b>		<b>120</b>
<p><i>Note: Secondary Education majors have a two step process to declare, including a basic skills test mandated by the RI Department of Education and a cumulative GPA of at least 2.5. For Study Abroad - fall or spring of the junior year following consultation with department chair and provided one finds equivalent courses.</i></p>					
<p><b>Core requirements include a foundational component and satisfaction of all proficiencies.</b></p>					
<p><b>Foundational Component:</b></p> <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. (CHM 121, 121L)</li> <li>• Social Science - 3 cr. (EDU 201)</li> <li>• Quantitative Reasoning - 3 cr. (MTH 131 or MTH 132)</li> <li>• Fine Arts - 3 cr.</li> </ul>			<p><b>Proficiencies:</b></p> <ul style="list-style-type: none"> <li>• Intensive Writing - I</li> <li>• Intensive Writing - II (CHM 222L, 321, 331L, 401 L)</li> <li>• Diversity</li> <li>• Civic Engagement (EDU 301)</li> <li>• Oral Proficiency (CHM 381, 382, 481, 482)</li> </ul>		
<p><b>Major Requirements (CHME Courses):</b></p>					
<ul style="list-style-type: none"> <li>• CHM 121-122, 221-222, 321 331, 381, 382, 401, 481, 482</li> <li>• MTH 131-132</li> <li>• EPS 101-102</li> <li>• *Science Elective (Chosen from BIO 103-104 or advanced courses in BIO, CHM, EPS, or MTH excluding Research)</li> <li>• EDU 201, 206-206L, 301, 303-303L, 401-401L, 412-412L, 449, 450</li> </ul>					

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	Fall Semester	# of Credits	Spring Semester	# of Credits	Total Year Credits
<b>1<sup>st</sup> Year</b>	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	4	MTH 132 Calc & Analytical Geometry II	4	
	CHM 121 Intro Chemistry I w/ Lab	4	CHM 122 Intro Chemistry II w/ Lab	4	
	<i>Fine Arts core</i>	3	<i>Philosophy core</i>	3	
		<b>15</b>		<b>15</b>	
<b>2<sup>nd</sup> Year</b>	DWC 201 (4 credit hrs; Honors 5 credit hrs)	4	DWC 202 (4 credit hrs; Honors 5 credits hrs)	4	
	CHM 221 Organic Chemistry I w/ Lab	4	CHM 222 Organic Chemistry II w/ Lab	4	
	EPS 101 General Physics I w/ Lab	4	EPS 102 General Physics II w/ Lab	4	
	EDU 201 Educational Psychology	3	EDU 206/206L Principles of Sec. Ed. w/Lab	4	
		<b>15</b>		<b>16</b>	
<b>3<sup>rd</sup> Year</b>	CHM 331 Adv. Analytical Chemistry I w/ Lab	4	CHM 321 Physical Chemistry I	3	
	CHM 381 Chemistry Seminar	1	CHM 382 Chemistry Seminar	2	
	EDU 401/401L Educ. Measurement w/ Lab	4	EDU 303/303L Child w/ Sp. Needs in Reg. Class.	4	
	<i>Theology I core</i>	3	<i>Theology II core</i>	3	
	<i>Core Focus elect. - part 1</i>	3	<i>Core Focus elect. - part 2</i>	3	
		<b>15</b>		<b>15</b>	
<b>4<sup>th</sup> Year</b>	CHM 401 Inorganic Chemistry w/ Lab	4	EDU 450 Student Teaching	9	
	CHM 481 Chemistry Seminar	2	CHM 482 Chemistry Seminar	0	
	EDU 412/412L Teaching Science in Sec. Sch.	4	EDU 301 Foundations of Education	3	
	<i>Philosophy Ethics core</i>	3	EDU 449 Classroom Management	1	
	Science Elective*	3			
		<b>16</b>		<b>13</b>	<b>29</b>
<b>*Graduation Requirement includes a minimum of 120 credit hours*</b>			<b>Total Program of Study Credits</b>		<b>120</b>

**Foundational Component:**

DWC - 4 semester sequence, 16-20 credits  
 Theology (GRP I and II) - 6 Cr.  
 Philosophy (1 + Ethics) - 6 cr.  
 Natural Science - (**CHM 121/121L**)  
 Social Science - (**EDU 201**)  
 Quantitative Reasoning - (**MTH 131 or MTH 132**)  
 Fine Arts - 3 cr.

**Core Focus/Concentration:**

2 courses/ 6 cr. from either the same core discipline, language **or** the same themed area<sup>#</sup>  
<sup>#</sup>Students completing the Liberal Arts Honors Program automatically satisfy the core focus requirement.

**Major Requirements:**

CHM 121-122, 221-222, 321  
 331, 381, 382, 401, 481, 482  
 MTH 131-132  
 EPS 101-102  
 \*Science Elective (Chosen from BIO 103-104 or advanced courses in BIO, CHM, EPS, or MTH excluding Research)  
 EDU 201, 206-206L, 301, 303-303L, 401-401L, 412-412L, 449, 450

**Proficiencies: (some proficiencies can be attained by completion of designated Foundational courses.)**

Intensive Writing - I  
 Intensive Writing - II (*in the major CHM 222L/CHM 321/CHM 331L/CHM 401L*)  
 Oral Communication (*in the major CHM 381/382/481/482*)  
 Diversity  
 Civic Engagement (*in the major EDU 301*)

**For Study Abroad** - fall or spring of the junior year following consultation with department chair and provided one finds equivalent courses.

Note: Secondary Education majors have a two step process to declare, including a basic skills test mandated by the RI Department of Education and a cumulative GPA of at least 2.5.