

# Bachelor of Science Major in Chemistry Student Worksheet

## General Education Courses

<b>I. Communication</b>	<b>9</b>
_____ SEGL 101 and SEGL 102	
_____ SSPH 201	
<b>II. Mathematics<sup>1</sup></b>	<b>8</b>
_____ SMTH 141 and SMTH 142	
<b>III. Information Technology</b>	<b>3</b>
_____ SCSC 138, 150; SIMS 101	
<b>IV. Natural Science</b>	<b>8</b>
_____ SCHM 111/L and SCHM 112/L	
<b>V. Arts and Humanities</b>	<b>6</b>
<i>One fine arts course:</i>	
_____ SAAS 204; SATH 101, 105, 106; SMUS 110, 140; STHE 161, 170	
<i>One course from the following: (no more than 3 credit hours from a specific discipline)</i>	
_____ SAAS 204; SAMS 101, 102; SATH 101, 105, 106; SEGL 250, 252, 275, 279, 280, 283, 289, 290, 291; SFLM 240; SMUS 110, 140; SPHL 102, 211; SREL 103; STHE 161, 170	
<b>VI. Foreign Language and Culture</b>	<b>3</b>
<i>Foreign Language minimum 102 level</i>	
_____ SCHI 102; SFRN 102; SGRM 102; SSPN 102	
Placement in a 201 or higher level language course (Students placing into 201 or higher level of a language have satisfied this requirement but will have additional hours in electives, if hours are required in the major).	
<b>VII. History</b>	<b>3</b>
_____ SHST 101, 102, 105, or 106	
<b>VIII. Social and Behavioral Sciences</b>	<b>6</b>
<i>Two courses from the following with two disciplines represented:</i>	
_____ SANT 102; SAAS 201; SECO 221, 222; SGEG 101, 103; SGIS 201, 301 320; SPSY 101; SSOC 101; SWST 101	

## Major Requirements<sup>1,2</sup>

_____ Chemistry 331, 332:	6
_____ Organic Chemistry	
_____ Chemistry 331L, 332L:	2
_____ Organic Chemistry Laboratory	
_____ Chemistry 321:	3
_____ Quantitative Analysis	
_____ Chemistry 321L:	1
_____ Quantitative Analysis Laboratory	
_____ Chemistry 397: Junior Seminar	1
_____ Chemistry 511: Inorganic	3
_____ Chemistry	
_____ Chemistry 541, 542:	6
_____ Physical Chemistry	
_____ Chemistry 541L, 542L:	2
_____ Physical Chemistry Laboratory	
_____ Chemistry 581: Biochemistry I	3
_____ Chemistry 599: Senior Seminar	3
_____ Four hours selected from	4
the following:	
<input type="checkbox"/> Chemistry 522: Instrumental Analysis	
<input type="checkbox"/> Chemistry 530: Spectrometric Identification of Organic Compounds	
<input type="checkbox"/> Chemistry 582: Biochemistry II	
<input type="checkbox"/> Chemistry 583L: Biochemistry Laboratory	
<input type="checkbox"/> Chemistry 534: Introductory Polymer Chemistry	

## Supporting Courses

_____ Mathematics 241	4
_____ Mathematics 315	3
_____ Physics 201 and 202	8
_____ or Physics 211 and 212	

<sup>1</sup>A minimum grade of C is required.

<sup>2</sup>To receive a chemistry degree, students must complete at least 15 hours of major course credit at USC Upstate

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**Chemistry majors may select  
a cognate (12 hours) OR  
a minor (18-21 hours)**

**Cognate<sup>1</sup>** **12**  
Upper division courses selected with  
advisor's approval  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Electives** **7**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**OR**

**Total Hours Required** **120**

**Minor<sup>1,2</sup>** **18-21**  
12 hours must be upper-division coursework  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<sup>1</sup>Minimum grade of C is required for all coursework.

<sup>2</sup>Up to 6 hours of General Education (less than 300 level)  
may be used to satisfy requirements of a minor.