Curriculum Map of Chemistry Courses versus Chemistry Student Learning Goals [1,2]

Course Number	**Course Title**	**Credit Hours**	**CH SLG #1** *Content Knowledge*	**CH SLG #2** *Apply Knowledge to Solve Problems*	**CH SLG #3** *Competency in Lab Skills*	**CH SLG #4** *Effectively Communicate*
CH141	General Chemistry I	4	***I***	***I***		
CH142	General Chemistry II	4	***I***	***I***		
CH143	General Chemistry Laboratory I	1	***I***		***I***	***I***
CH144	General Chemistry Laboratory II	1	***I***		***I***	***I***
CH151	Chemical Principles	4	***I***	***I***		
CH153	Chemical Principles Laboratory	1	***I***		***I***	***I***
CH221	Organic Chemistry I	3	***R***	***R***		
CH222	Organic Chemistry II	3	***R, M, ✓***	***R***		
CH223	Organic Chemistry Laboratory I	1	***R***		***R***	***R***
CH224	Organic Chemistry Laboratory II	1	***R***		***R***	***R***
CH261	Analytical Chemistry	3	***R***	***R***		
CH263	Analytical Chemistry Laboratory	1	***R, M, ✓***		***R***	***R***
CH298	Teaching Assistant in Chemistry	0	***R***		***R***	***R***
CH361	Introductory Physical Chemistry	3	***R, M, ✓***	***R***		

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Course Number	**Course Title**	**Credit Hours**	**CH SLG #1** *Content Knowledge*	**CH SLG #2** *Apply Knowledge to Solve Problems*	**CH SLG #3** *Competency in Lab Skills*	**CH SLG #4** *Effectively Communicate*
CH365	Physical Chemistry I	3	***R***	***R***		
CH366	Physical Chemistry II	3	***R, M, ✓***	***R***		
CH367	Physical Chemistry Laboratory I	2	***R***		***R, M, ✓***	***R, M, ✓***
CH368	Physical Chemistry Laboratory II	1	***R***		***R, M, ✓***	***R***
CH399A	Undergraduate Research	1	***R***	***R***	***R, M, ✓***	***R, M, ✓***
CH399B	Undergraduate Research	2	***R***	***R***	***R, M, ✓***	***R, M, ✓***
CH399C	Undergraduate Research	3	***R***	***R***	***R, M, ✓***	***R, M, ✓***
CH431	General Biochemistry	4	***R, M, ✓***	***R***		
CH435	Biochemistry I	3	***R, M, ✓***	***R, M, ✓***		
CH436	Biochemistry II	3	***R, M, ✓***	***R, M, ✓***		
CH437	Biochemistry Laboratory	1	***R***		***R, M, ✓***	
CH439	Biochemistry III	3	***R***	***R***		***R, M, ✓***
CH441	Instrumental Analysis	3	***R***	***R***		
CH443	Instrumental Analysis Laboratory	2	***R***	***R, M, ✓***	***R, M, ✓***	***R, M, ✓***
CH470	Molecular Methods Laboratory	3			***R***	***R***

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Course Number	**Course Title**	**Credit Hours**	**CH SLG #1** *Content Knowledge*	**CH SLG #2** *Apply Knowledge to Solve Problems*	**CH SLG #3** *Competency in Lab Skills*	**CH SLG #4** *Effectively Communicate*
CH478A	Chemistry Seminar	0	***R***			
CH478B	Chemistry Seminar	0	***R***			
CH481	Inorganic Chemistry	3	***R, M, ✓***	***R***		
CH482	Inorganic Chemistry Laboratory	1			***R, M, ✓***	***R, M, ✓***
CH495	Special Topics in Chemistry Biochemical Toxicology	3	***R***	***R***		
CH495	Special Topics in Chemistry Introduction to Organic Synthesis	3	***R***	***R***		
CH495	Special Topics in Chemistry Introduction to Polymer Chemistry	3	***R***	***R***		
CH495	Special Topics in Chemistry Chemistry of Colors	3	***R***	***R***		
CH495	Special Topics in Chemistry Industrial Catalysis	3	***R***	***R***		
CH495	Special Topics in Chemistry Intermediate Organic Chemistry	3	***R***	***R***		

[1] *- Only courses counting toward a chemistry major or minor and offered in FA 2011 - FA 2015.*

[2] *- These are preliminary assignments that will be finalized as the Department Assessment Plan matures.*

[3] *- **I** = Introduced; **R** = Reinforced; **M** = Mastery; ✓ = SLG is assessed in this course.*