

**CURRICULUM MAP**  
**CHEMISTRY BS-NS CHE**

Outcomes	CHE 111	CHE 112	CHE 201	CHE 202	CHE 203	CHE 204	CHE 301	CHE 305	CHE 306	CHE 307	CHE 308	CHE 310	CHE 360	CHE 403	CHE 462	CHE 470	CHE 471	CHE 472
Students demonstrate mastery of core knowledge in the area of Analytical Chemistry.		I					M											
Students demonstrate mastery of core knowledge in the area of Organic Chemistry.			I	M	I	R												
Students demonstrate mastery of core knowledge in the area of Physical Chemistry.	I	R						R	M	R	R							
Students demonstrate a mastery of basic concepts in the area of Biochemistry.				I												M	R	
Students use and understand the theory behind modern laboratory instrumentation.					I	R				R	R		R	M			R	
Students demonstrate ability to analyze and evaluate experimental data.	I	R					M										M	
Students exhibit knowledge concerning safe laboratory practices.	I	R			M													
Students keep a legible and complete experimental record.	I	R			R	R	R			R	R			R	R		M	
Students synthesize and characterize molecules.					I	M							R					

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Students demonstrate adequate technical report writing skills.							I			R	R	R					M	
Students use a personal computer to analyze and collect scientific data.							I			R				R			M	
Students demonstrate adequate oral presentation skills.												I					M	
Students demonstrate a mastery of core knowledge in the area of Inorganic Chemistry (traditional track).	I												R		M			
Students demonstrate a mastery of core knowledge in the area of Biochemistry (biochemistry track).																I	R	M
Students demonstrate the rudimentary skills required to design and conduct chemical research.					I	R				R	R	R		R	M			
Students are prepared for a career in chemistry or a chemistry related field, or for advanced studies in chemistry.	I	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R

I = Introduced

R = Reinforced

M= Mastery Demonstrated