

Chemistry Courses	105	107	108	109	110	205	206	209	215	216	311	312	317	318	322	338	339	340	343	431	441	452	
<b>Writing</b>																							
Written Exams	X	X	X			X	X	X			X	X			X	X	X		X	X	X	X	X
Short Papers										X	X					X	X		X				
Lab. Reports				X	X				X	X			X	X									
Long Papers				X	X			X		X					X			X		X			
<b>Gen. Ed. Writing</b>																							
Focus										X			X										
Organization										X			X										
Style/Voice										X			X										
Content/Ideas										X			X										
Convention/Mechanics										X			X										
<b>Oral Communications</b>																							
Short, Individual Report								X												X			
Group Report				X				X	X					X		X	X					X	
Long, Individual Report														X								X	
Poster Presentation					X																		
<b>Gen. Ed. Oral Comm.</b>																							
Content																							
Organization																							
Language																							
Delivery																							
<b>Critical Thinking</b>																							
Text-Based						X	X	X			X	X			X	X	X			X	X		
Lecture Supplements						X	X	X			X	X			X	X	X			X			
Other Materials	X	X	X	X	X			X	X	X			X	X	X	X	X	X	X	X	X	X	x
Literature Review					X	X	x			X					X	X				X	X		
<b>Information Literacy</b>																							
Bibliography Preparation				X	X					X								X					
Library Search				X		X	X	X	X	X			X	X	X		X			X	X		
Use of Chem Abstracts									X	X	X							X		X	X		
<b>Gen. Ed. Inform. Literacy</b>																							
Topic Identification																							
Resource Location																							
Resource Evaluation																							
Use of Others' Materials																							
<b>Knowledge of Majors</b>																							
Biology Connection	X	X	X			X	X								X	X	X	X	X	X	X	X	X
Computing Connection				X	X				X	X		X	X		X			X		X			X
Mathematics Connection	X	X	X	X	X				X		X	X	X					X		X			
Statistics Connection				X	X								X	X						X			
Physics Connection											X	X											X
<b>Processes</b>																							
Scientific Methods				X	X		X		X	X	X					X	X	X		X	X		
Research Methods							X		X	X				X	X	X	X	X		X	X		
Design Research Project				X					X	X				X									X
Execute Research				X					X	X				X									
Scientific Ethics				X	X				X	X	X		X	X						X			
<b>Skills</b>																							
Basic Lab. Skills				X	X				X	X													
Chemical Instrumentation				X	X				X	X		X	X	X				X					
Solutions & Titration				X	X				X	X		X	X					X					
Qualitative Analysis				X					X	X								X					
Quantitative Analysis				X	X				X	X		X	X					X					
Safety Procedures				X	X				X	X		X	X										
Proper Waste Disposal				X	X				X	X		X	X					X					