

### Chemistry, B.S. - Curriculum Map

	Chemistry concepts		Problem solving			Laboratory		Process skills			
	structure	descriptive chemistry	measurement	numeracy	critical thinking	technical skills	Safety	Communication	Literacy	Information processing	Ethics / Awareness of practice of chemistry
CHEM101 <sup>*</sup>	1	1	1	1						1	
CHEZ101	1	1	1	1		1	1			1	
CHEM102 <sup>*</sup>	1	1	1	1						1	
CHEZ102	1	1	1	1		1	1			1	
CHEM301 <sup>#</sup>	2									2	
CHEZ301 <sup>§</sup>	2					2	2	1			
CHEM302 <sup>*</sup>	2										
CHEZ302 <sup>§</sup>	2					2	2	2			
CHEM309 <sup>*</sup>		2	2	2						2	
CHEZ309		2	2	2		2	2	1		2	
CHEM320 <sup>*</sup>	2	2								2	
CHEM303 <sup>*</sup>	2		2	2						2	
CHEM304 <sup>*</sup>	3		2	3						2	
CHEZ303L <sup>&amp;§</sup>	2		3	3	1	3	2	3	1	3	
CHEM398 <sup>&amp;§</sup>					1			3	2	3	3
CHEM310	3	3			2					3	
CHEM403	3	3			2					3	
CHEM404	3	3			3					3	
CHEM406	3	3	3		3					3	
CHEM409	3		3		3	3					
CHEZ304 <sup>&amp;</sup>	3		3	3	3	3	2	3	3	3	
CHEZ406 <sup>§</sup>	3	3	3		3	3	2	3	3		
CHEZ409 <sup>&amp;§</sup>	3		3		3	3	2	3	3	3	
CHEM350/351	3	3	3	3	3	3		3	3	3	
CHEM392/492	3	3	3	3	3	3	3	3	3	3	
CHEM498	3	3	3	3	3	3	3	3	3	3	
	1: Introduced					*Courses with ACS std exams					
	2: Reinforced					#Course with common final					
	3: Emphasized - the outcome is primary focus					&Course requires oral presentation(s)					
						§Course requires formal writing					