Alignment Matrix
B.S./B.A. Chemistry Degree

Required Courses	CHM 200	CHM 220	CHM 250	CHM 531	CHM 532	CHM 550	CHM 566	CHM 585	CHM 595	CHM 596	CHM 599	CHM 657	CHM 711	CHM 712
Degree Progam SLO's														
1	X	A	A	X	X	X	X	X	X	X	A	X	X	X
2		A	A	X	X	X	X	X	X	X	A	X	X	X
3		A	A	X	X	X	X	X	X	X	A	X	X	X
4		A	A	X	X	X	X			X	A	X	X	X
5		A	A	X	X	X	X	X	X	X	A	X	X	X
6		A	A		X		X			X	A	X		
7		A	A		X		X			X	A	X		
8					X		X			X	A	X		
9	X	A	A		X				X	X	A	X		
10		A	A	X	X	X			X	X	A	X	X	X
University SLO's														
Knowledge		A	A	X	X	X	X	X	X	X	A	X	X	X
Critical Thinking		A	A	X	X	X	X	X	X	X	A	X	X	X
Communication		X	X	X	X	X	X	X	X	X	A	X	X	X
Diversity		X	X		X				X		X	X		
Integrity		X	X	X		X				X	A	X		

"X" for courses in which students have the opportunity to learn the outcome. "A" for courses in which student performance is used for program level assessment of the outcome.

STUDENT LEARNING OUTCOMES

B.S./B.A. Chemistry Degree

Graduates from the Chemistry degree program will have demonstrated:

1. an understanding of major concepts, theoretical principles and experimental findings in chemistry.
2. an ability to solve problems in an efficient and accurate manner.
3. an ability to employ critical thinking and hypothesis-driven methods of scientific inquiry.
4. a working knowledge of basic research methodologies, data analysis and interpretation.
5. effective written and oral communication skills, especially the ability to transmit complex technical information in a clear and concise manner.
6. the ability to use computers for chemical simulation and computation, data acquisition, and database usage.
7. the ability to use instrumentation for chemical analysis and separation.
8. a familiarity with, and application of local, state and federal safety and chemical hygiene regulations and practices.
9. an appreciation of the importance and practice of good ethics.
10. an ability to work effectively in teams in both classroom and laboratory.