



UNIVERSITY OF
**DETROIT
MERCY**

COLLEGE OF LIBERAL ARTS & EDUCATION

CHEMISTRY (DA)

Secondary Teaching Major Endorsement

Course No.	Course Title	Credit Hours	Term/Equivalent Course & School	Grade
CHM 1070	General Chemistry I	3		
CHM 1100	General Chemistry Laboratory I	1		
CHM 1080	General Chemistry II	3		
CHM 1120	Inorganic and Analytical Chemistry Laboratory	1		
CHM 2270	Organic Chemistry I	3		
CHM 2250	Organic Chemistry Laboratory I	2		
CHM 2290	Organic Chemistry II	3		
CHM 2300	Organic Chemistry Laboratory II	2		
CHM 3330	Physical Chemistry Laboratory I	1		
CHM 3340	Physical Chemistry Laboratory II	1		
CHM 3410	Chemical Thermodynamics and Application	3		
CHM 3420	Chemical Dynamics and Quantum Chemistry	3		
CHM 4700 or CHM 4710 and CHM 4720	Basic Biochemistry or Biochemistry I and Biochemistry II	3-6		
Chemistry and Society: choose one of the following courses (3 credits):				
CHM 1030	Chemistry and Society	3		
CHM 4290	Industrial Chemistry/Societal Issues	3		
CHM 4740	Recent Advances in Biochemistry	3		
Total Chemistry Credits		33-36	Major GPA:	
Required supportive courses (17-19 cr.)				
EDU 4750 Secondary Science Methods (3 cr.) and MTH 1410 Analytic Geometry and Calculus I (4 cr.) (Pre-req MTH 1400 Elementary Functions) and MTH 1420 Analytic Geometry and Calculus II (4 cr) and PHY 1300 General Physics I (3 cr.) and PHY 1310 General Physics Laboratory I (1 cr.) and PHY 1320 General Physics II and PHY 1330 General Physics Laboratory II (1 cr.) and CHM 3870 Quantitative Analysis (3 cr.) and CIS 1000 Introduction to Computers.				
Total Credits Required:		49-54		

This sheet lists the major endorsement requirements for secondary teacher certification. The requirements for the B.A. in Chemistry may be different from the requirements for certification. Therefore work with your advisor in the Chemistry Department to make sure that you are completing all of the requirements for your B.A. in Chemistry.