BS in Chemistry (Non-ACS Certified)
CURRICULUM GRID

Student Name_____ **SID**_____

Date Started_____ **Advisor**_____

FRESHMEN YEAR			
AREA	**FALL SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
Institution	COST 1103 Freshman Year	2	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre Calculus (*Pre-Requisites: MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT*)	3	
E	POLS 1101 American Government	3	
F	CHEM 1211 Principles of Chemistry I (*Pre-Requisites: CHEM 1115 OR 30 In Chemistry Assessment Test*)	3	
F	CHEM 1211L Principles of Chemistry I Lab (*co-Requisites: CHEM 1211*)	1	
Institution	Choose one: HEDU 1140, 1150, 1301, 1401, 1501, 1521, 1601, 1611, or 1621	1	
	TOTAL HOURS	**16**	
AREA	**SPRING SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
A	ENGL 1102 English Composition II (*Pre-Requisites: ENGL 1101*)	3	
F	CHEM 1212 Principles of Chemistry II (*Pre-Requisites: CHEM 1211*)	3	
G	CHEM 1212L Principles of Chemistry II Lab (*Pre-Requisites: CHEM 1211L, co-Requisites: CHEM 1212*)	1	
D	Choose one: ASTR 1010, CSCI 1130, or CSCI 1301	3	
F	MATH 2101 Calculus I (*Pre-Requisites: MATH 1113*)	4	
Institution	Choose one: HEDU 1101, 1111, 1201 or 1211	2	
	TOTAL HOURS	**16**	
SOPHOMORE YEAR			
AREA	**FALL SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
F	MATH 2111 Calculus II (*Pre-Requisites: MATH 2101*)	4	
G	CHEM 2501 Organic Chemistry I (*Pre-Requisites: CHEM 1212*)	3	
G	CHEM 2501L Organic Chemistry I Lab (*Pre-Requisites: CHEM 1212L, co-Requisites: CHEM 2501*)	1	
B	HUMN 1201 Critical Thinking & Communication	3	
Additional	PHYS 1111K Physics I (*Pre-Requisites: MATH 1113*) or PHYS 2211K Physics I (*Pre-Requisites: MATH 2101 or MATH 2501*)	4	
B	AFRS 1501 African American History	2	
	TOTAL HOURS	**17**	
AREA	**SPRING SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
F	CHEM 2601K Chemistry Research Methods (*Pre-Requisites: CHEM 1212*)	2	
G	CHEM 2511 Organic Chemistry II (*Pre-Requisites: CHEM 2501*)	3	
G	CHEM 2511L Organic Chemistry II Lab (*Pre-Requisites: CHEM 2501L, co-Requisites: CHEM 2511*)	1	
Additional	PHYS 1112K Physics II (*Pre-Requisites: PHYS 1111K*) or PHYS 2212K Physics II (*Pre-Requisites: PHYS 2211K*)	4	
D	BIOL 1107 Principles of Biology I (*Pre-Requisites: CHEM 1211*)	3	
D	BIOL 1107L Principles of Biology I Lab (*co-Requisites: BIOL 1107*)	1	
	TOTAL HOURS	**14**	

JUNIOR YEAR			
AREA	**FALL SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
G	CHEM 3101K Analytical Chemistry (*Pre-Requisites: CHEM 1212 and CHEM 1212L*)	4	
G	CHEM 3401K Physical Chemistry I (*Pre-Requisites: CHEM 1212, CHEM 1212L and MATH 2111*)	4	
D	BIOL 1108 Principles of Biology II (*Pre-Requisites: BIOL 1107*)	3	
D	BIOL 1108L Principles of Biology II Lab (*Pre-Requisites: BIOL 1107L, co-Requisites: BIOL 1108*)	1	
G	CHEM 3522L Advanced Synthesis Laboratory (*Pre-Requisites: CHEM 2511 and CHEM 2511L*)	2	
E	Choose one: HIST 2111 or 2112 American History	3	
	TOTAL HOURS	**17**	
AREA	**SPRING SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
G	CHEM 3411K Physical Chemistry II (*Pre-Requisites: CHEM 3401K*)	4	
G	CHEM 3111K Instrumental Analysis (*Pre-Requisites: CHEM 3101K*)	4	
E	Choose on: PSYC 1101, 2103; GEOG 1101, ANTH 1101; SOCI 1101, 1160; AFRS 2000; ECON 2105, HIST 1111 or 1112	3	
G	CHEM 3201K Inorganic Chemistry (*Pre-Requisites: CHEM1212*)	4	
	TOTAL HOURS	**15**	

SENIOR YEAR			
AREA	**FALL SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
G	CHEM 3801 Biochemistry (*Pre-Requisites: CHEM 2511 and BIOL 1108*)	3	
C	AREA C OPTION (Cultural Studies Course) (Select only one) HUMN 2011, ARTS 1101, MUSC 1101, THEA 2101, ENGL 2521	3	
G	CHEM 3602K Chemistry Research (*CHEM 2101K, CHEM 2511, CHEM 2511L, CHEM 3201K and CHEM 3411K*)	2	
G	**Choose two from**: CHEM 4811 Bioanalytical Chemistry, CHEM 4211 Advanced Inorganic Chemistry, CHEM 4411 Advanced Physical Chemistry, CHEM 4531 Advanced Organic Chemistry, CHEM 4532 Medicinal Chemistry, CHEM 4601 Polymer Chemistry, CHEM 4801 Advanced Biochemistry, or CHEM 4902 Special Topics in Chemistry	6	
		14	
AREA	**SPRING SEMESTER COURSES**	**CREDIT HOURS**	**COURSES TAKEN**
G	CHEM 4901 Chemical Seminar (*Pre-Requisite: Junior or senior standing*)	1	
E	POLS 2401 Global Issues	3	
G	Choose upper level (4000) courses in Forensic Science, Biology and/or Marine Science	6	
G	**Choose one from**: CHEM 4811 Bioanalytical Chemistry, CHEM 4211 Advanced Inorganic Chemistry, CHEM 4411 Advanced Physical Chemistry, CHEM 4531 Advanced Organic Chemistry, CHEM 4532 Medicinal Chemistry, CHEM 4601 Polymer Chemistry, CHEM 4801 Advanced Biochemistry, or CHEM 4902 Special Topics in Chemistry	3	
C	AREA C OPTION (Language Studies Course) (Select only one) ENGL 2110, ENGL 2121, ENGL 2122, ENGL 2131, ENGL 2132, ENGL 2222, RPHS 2101, RPHS 2241	3	
	TOTAL HOURS	**16**	
	Total to Graduate	**125**	

CORE CURRICULUM AREAS (A-E)	**43**
Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY	**17**
CHEMISTRY PROGRAM REQUREMENTS	**60**
INSTITUTIONAL REQUREMENTS	**5**
TOTAL HOURS	**125**

All students who have successfully completed 91 hours, must complete the application for graduation. This will allow the Registrar to begin the degree audit process.

STUDENT AGREEMENT

I agree to follow the above schedule. _____

Student Signature

PREPARED BY:
Dr. Hua Zhao, Coordinator
Chemistry
Revised: June 2013

Approved By:

Faculty Advisor: _____ Date: _____

Department Chair: _____ Date: _____