

**Department of Chemistry and Forensic Sciences**

**B.S. IN CHEMISTRY (125 SEMESTER HOURS)**

NAME \_\_\_\_\_ RAM ID# \_\_\_\_\_ MAJOR \_\_\_\_\_ ADVISOR \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE# \_\_\_\_\_ DATE ADMITTED \_\_\_\_\_

AREA A1: COMMUNICATION SKILLS (6HRS)		SEMESTER PLANNED	SEMESTER TAKEN	GRADE	HRS
ENGL 1101	English Composition I				3
ENGL 1102	English Composition II				3
OR					
HONR 1111	Honors Humanities I				3
HONR 1112	Honors Humanities II				3
AREA A2: QUANTITATIVE SKILLS (3HRS)					
MATH 1113	Pre-Calculus				3
	The prerequisite for pre-Calculus is MATH 1111-College Algebra. Check with your advisor to determine if you are exempt from this requirement.				
MATH 1211	Calculus I				4
AREA B: INSTITUTIONAL OPTIONS (5 HRS)					
HIST 1002	Intro to African Diaspora				2
COMM 1100	Fund. of Public Speaking				3
AREA C: HUMANITIES/FINE ARTS (6 HOURS)					
ENGL 2111	World Literature I or				3
HONR 2111	Honors Humanities III				3
SELECT ONE					
ARAP 1100	Art Appreciation				3
ENGL 2112	World Literature II				3
MUSC 1100	Music Appreciation				3
FREN 2001	Intermediate French I				3
GERM 2001	Intermediate German I				3
SPAN 2001	Intermediate Spanish I				3
FIAR 1100	Introduction to Fine Arts				3
HONR 2112	Honors Humanities IV				3
AREA D: SCIENCE, MATH & TECHNOL. (12 HRS)					
PHYS 2221K	Principles of Physics I				4
PHYS 2222K	Principles of Physics II				4
	Select One Math course from below				
MATH 1211	Calculus I				4
MATH 2212	Calculus II				4
AREA E: SOCIAL SCIENCES (12 HOURS)					
POLS 1101	U.S. & GA Gov't OR				3
HONR 1161	Honors American Government				3
	(optional for honors students only)				
ELECTIVES					
SELECT AT LEAST ONE HISTORY					
ECON 2105	Macroeconomics				3
ECON 2106	Microeconomics				3
ECON 2201	Survey of Economics				3
GEOG 1101	Intro to Human Geography				3
HIST 1111	Survey of World History I				3
HIST 1112	Survey of World History II				3
HIST 2111	Survey of American History I				3
HIST 2112	Survey of American History II				3
HIST 2113	Minorities in America				3
HONR 1151	Honors World History I				3
HONR 1152	Honors World History II				3
PHIL 2101	Intro to Philosophy				3
POLS 2101	Intro to Political Science				3

POLS 2102	Intro to Law				3
PSYC 1101	General Psychology				3
SOCI 2011	Principles of Sociology				3
SOCI 2031	Introduction to Anthropology				3
<b>AREA F: CHEMISTRY (18 HRS)</b>					
CHEM 1211K	Principles of Chemistry I				4
CHEM 1212K	Principles of Chemistry II				4
CHEM 2301K	Organic Chemistry I				4
CHEM 2302K	Organic Chemistry II				4
CHEM 2310	Scientific Mathematics				2
<b>ABOVE THE CORE (3 HRS)</b>					
ASU 1101	First Year Experience				1
<b>SELECT TWO</b>					
HEDP 1001	Introduction to Wellness				1
PEDH 1001	Team Sports				1
PEDH 1002	Fitness				1
PEDH 1003	Recreational Skills I				1
PEDH 1004	Recreational Skills II				1
PEDH 1005	Lifetime Skills I				1
PEDH 1006	Lifetime Skills II				1
PEDH 1007	Aquatics				1
PEDH 1008	Progressive Resistance Exercise				1
PEDH 1010	Yoga				1
<b>AREA G MAJOR COURSES (60 HOURS)</b>					
BIOL 2107K	Principles of Biology I				4
MATH 2212	Calculus II				4
CHEM 3151K	Quantitative Analysis I				4
CHEM 3152K	Quantitative Analysis II				4
CHEM 3221K	Physical Chemistry I				4
CHEM 3222K	Physical Chemistry II				4
CHEM 3231	Intermediate Inorganic Chemistry I				4
CHEM 3250K	Biochemistry				4
CHEM 4100K	Instrumental Analysis				4
CHEM 4110	Chemical Literature				1
CHEM 4111	Junior Seminar				1
CHEM 4120	Senior Research I				1
CHEM 4130K	Senior Research II				3
PHYS 2100	Computer Applications				3
<b>ELECTIVES</b>					<b>15</b>
At least 3 credits non-science electives					
At least 6 credits in 3000 level or higher Chemistry electives					
Suggested Electives (math & chemistry)					
MATH 2213	Calculus III				4
MATH 2411	Statistics				3
CHEM2250	Responsible Conduct of Research				3
CHEM 2320K	Laboratory Research Techniques				3
CHEM 3252	Biochemistry II				3
CHEM 3330	Nanoscience and Nanotechnology				3
CHEM 3400	Polymer Science				3
CHEM 4140	Advanced Biochemistry				3
CHEM 4150K	Computational Chemistry				4
CHEM 4200K	Environmental Chemistry				4
CHEM 4210K	Nanoscale Analytical Methods				4
					<b>1</b>
<b>Total Hours Required</b>					

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Student Signature

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Date

Updated by