

CHEMISTRY - ACS CERTIFIED
ARTS AND SCIENCES
(SEE YOUR DEPARTMENT FOR SPECIFIC ADVISORY INFORMATION)
CHECK LIST

NAME _____	ID _____	DATE _____
<u>GENERAL EDUCATION REQUIREMENTS</u>		CHEM 121 GENERAL CHEMISTRY I 4__
GROUP I - 15 HOURS / 5 COURSES		CHEM 122 GENERAL CHEMISTRY II 4__
A.	ENGLISH 101 (HONOR111) (C or Better) 3__	CHEM 207 LABORATORY SAFETY 1__
	ENGLISH 102 (C or Better) 3__	CHEM 212 CHEM OF THE ELEMENTS 2__
	LITERATURE 3__	CHEM 221 ORGANIC CHEMISTRY I 4__
B.	ART, COMMUNICATION & THEATRE ARTS, DANCE, MODERN LANGUAGES, MUSIC OR PHILOSOPHY, HONR 211(6 HOURS FROM <u>TWO</u> DIFFERENT DEPARTMENTS)	CHEM 222 ORGANIC CHEMISTRY II 4__
	_____ 3__	CHEM 321 ANALYTICAL CHEMISTRY 4__
	_____ 3__	CHEM 333 INSTRUMENTAL ANALYSIS 3__
GROUP II - 15 HOURS / 5 COURSES		CHEM 341 PHYSICAL CHEMISTRY I 3__
A.	HISTORY 101 3__	CHEM 342 PHYSICAL CHEMISTRY II 3__
	HISTORY 102 3__	CHEM 406 INORGANIC CHEMISTRY 3__
B.	ANTH., ECON., ENVR 150, HISTORY, HUMAN GEOG., POL. SCIENCE, PSYCH., OR SOCIO./CADR, HONR 112 (9 HOURS FROM <u>THREE</u> DIFFERENT DEPARTMENTS)	CHEM 410 CHEMICAL RESEARCH 3__
	_____ 3__	CHEM 415 SEMINAR 2__
	_____ 3__	CHEM 417 BIOCHEMISTRY I 4__
	_____ 3__	CHEM 441 ADVANCED EXPER. CHEMISTRY I 4__
GROUP III - 12 HOURS		CHEM 442 ADVANCED EXPER. CHEMISTRY II 4__
	SATISFIED BY MAJOR X__	CHEM 381 ENVIRONMENTAL CHEMISTRY 3__
GROUP IV - 3 HOURS / 1 COURSE		OR
	PHEC 106 3__	CHEM 412 ORGANIC CHEMISTRY III 3__
ELECTIVES		OR
<u>CHEMISTRY REQUIREMENTS</u>		CHEM 499 SPECIAL TOPICS IN CHEM 3__
_____		<u>MATHEMATICAL REQUIREMENTS</u>
_____		MATH 201 CALCULUS I 4__
_____		MATH 202 CALCULUS II 4__
		<u>PHYSICS REQUIREMENTS</u>
		PHYS 221 PHYSICS I 4__
		PHYS 223 PHYSICS II 4__
		PHYS 309 MATHEMATICAL PHYSICS 3__
		<u>BIOLOGY REQUIREMENTS</u>
		BIOL 210 4__
		BIOLOGY: CONCEPTS AND METHODS

CHEMISTRY MAJORS MUST HAVE AT LEAST A "C" AVERAGE IN THE MATH AND SCIENCE COURSES REQUIRED BY THE MAJOR.

TRANSFER STUDENTS MAJORING IN CHEMISTRY ARE REQUIRED TO COMPLETE AT LEAST 15 HOURS IN CHEMISTRY AT SALISBURY UNIVERSITY.

ALL STUDENTS MUST COMPLETE A MINIMUM OF THIRTY CREDIT HOURS AT THE 300/400 LEVEL WITH GRADES OF "C" OR BETTER; TRANSFER STUDENTS MUST COMPLETE AT LEAST 15 HOURS OF THESE 30 HOURS AT SALISBURY UNIVERSITY.

CURRICULUM GUIDE
CHEMISTRY MAJOR
 (ACS Certified)

Freshman Year

CHEM 121	General Chemistry I	4	CHEM 122	General Chemistry II	4
ENGL 101	Composition	3	ENGL 102	Literature	3
HIST 101	World Civilizations	3	HIST 102	World Civilizations	3
MATH 201	Calculus I	<u>4</u>	MATH 202	Calculus II	4
		14		Group IB Elective	<u>3</u>
					17

Sophomore Year

CHEM 221	Organic Chemistry I	4	CHEM 207	Laboratory Safety	1
PHYS 221	Physics I	4	CHEM 212	Chemistry of the Elements	2
	Literature Elective	3	CHEM 222	Organic Chemistry II	4
	Group II-B	<u>3</u>	PHYS 223	Physics II	4
		14	BIOL 210	Biology: Concepts and Methods	<u>4</u>
					15

Junior Year

CHEM 321	Analytical Chemistry	4	CHEM 333	Instrumental Analysis	3
CHEM 341	Physical Chemistry I	3	CHEM 342	Physical Chemistry II	3
PHYS 309	Mathematical Physics	3	CHEM 415	Seminar	2
	Group I-B Elective	3	CHEM 417	Biochemistry I	<u>3</u>
		16	CHEM 418	Group II-B Elective	<u>3</u>
					15

Senior Year

CHEM 406	Inorganic Chemistry	3	CHEM 410	Chemical Research	3
CHEM 410	Chemical Research	3	CHEM 442	Advanced Experimental Chemistry II	4
CHEM 441	Advanced Experimental Chemistry I	4	PHEC 106	Personalized Health/Fitness	3
	Electives	<u>3</u>		Chemistry Elective	3
		13		Electives	<u>3</u>
					16

#Students are required to take one Chemistry Elective (381, 412 or 499), dependent upon semester course offerings.

NOTE: The Bachelor of Science degree in chemistry requires a minimum of 120 credits for graduation

