

CHEMISTRY  
ARTS AND SCIENCES  
(SEE YOUR DEPARTMENT FOR SPECIFIC ADVISORY INFORMATION)  
**CHECK LIST**

NAME \_\_\_\_\_ ID \_\_\_\_\_ DATE \_\_\_\_\_

GENERAL EDUCATION REQUIREMENTS

## GROUP I - 15 HOURS / 5 COURSES

A. ENGLISH 101(HONR 111) (C or Better) 3\_\_  
ENGLISH 102 (C or Better) 3\_\_  
LITERATURE 3\_\_

B. ART, COMMUNICATION & THEATRE ARTS, DANCE,  
MODERN LANGUAGES, MUSIC OR PHILOSOPHY, HONR 112  
(6 HOURS FROM TWO DIFFERENT DEPARTMENTS)  
\_\_\_\_\_  
\_\_\_\_\_ 3\_\_  
\_\_\_\_\_ 3\_\_

## GROUP II - 15 HOURS / 5 COURSES

A. HISTORY 101 3\_\_  
HISTORY 102 3\_\_

B. ANTH., ECON., ENVR 150, HISTORY, **HUMAN** GEOG., POL,  
SCIENCE, PSYCH., OR SOCIO./CADR, HONR 112 (9 HOURS FROM  
THREE DIFFERENT DEPARTMENTS)  
\_\_\_\_\_  
\_\_\_\_\_ 3\_\_  
\_\_\_\_\_ 3\_\_  
\_\_\_\_\_ 3\_\_

## GROUP III - 12 HOURS

SATISFIED BY MAJOR   X  

## GROUP IV - 3 HOURS / 1 COURSE

PHEC 106 3\_\_

ELECTIVES

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CHEMISTRY REQUIREMENTS

CHEM 121 GENERAL CHEMISTRY I 4\_\_  
CHEM 122 GENERAL CHEMISTRY II 4\_\_  
CHEM 207 LABORATORY SAFETY 1\_\_  
CHEM 212 CHEM OF THE ELEMENTS 2\_\_  
CHEM 221 ORGANIC CHEMISTRY I 4\_\_  
CHEM 222 ORGANIC CHEMISTRY II 4\_\_  
CHEM 321 ANALYTICAL CHEMISTRY 4\_\_  
CHEM 333 INSTRUMENTAL ANALYSIS 3\_\_  
CHEM 341 PHYSICAL CHEMISTRY I 3\_\_  
CHEM 342 PHYSICAL CHEMISTRY II 3\_\_  
CHEM 406 INORGANIC CHEMISTRY 3\_\_  
CHEM 413 INTERN **OR** CHEM 410 3\_\_  
CHEM 415 SEMINAR 2\_\_  
CHEM 441 ADVANCED EXPERIMENTAL CHEM I 4\_\_  
CHEM 442 ADVANCED EXPERIMENTAL CHEM II 4\_\_

MATHEMATICAL REQUIREMENTS

MATH 201 CALCULUS I 4\_\_  
MATH 202 CALCULUS II 4\_\_

PHYSICS REQUIREMENTS

PHYS 221 PHYSICS I 4\_\_  
PHYS 223 PHYSICS II 4\_\_  
PHYS 309 MATHEMATICAL PHYSICS 3\_\_

BIOLOGY REQUIREMENT

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**  
 (Arts and Science)

**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	PHEC 106	Personalized Fitness	<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		Group I-B Elective	3
	Group I-B Elective	3		Group II-B Elective	3
	Group II-B Elective	<u>3</u>	CHEM 415	Seminar	<u>2</u>
		16			14

**Senior Year**

CHEM 406	Inorganic Chemistry	3	CHEM 442	Advanced Experimental	
#CHEM 413	Internship/Co-op in Chemistry	3		Chemistry II	4
CHEM 441	Advanced Experimental			Electives	<u>12</u>
	Chemistry I	4			16
	Electives	<u>4</u>			
		14			

#Students may substitute one semester of chemical research (Chemistry 410).

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

