

## College of Science, Engineering and Technology

Major: CHEMISTRY

Concentration: American Chemical Society Certified

\*Indicate Summer Courses in Comments Section\*

FRESHMAN YEAR 1 <sup>st</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 141 & CHML 141	GENERAL CHEMISTRY I AND LAB	4		
ENG 104	COMPOSITION	3		
BIO 111 & BIOL 111	BIOLOGY I AND LAB	4		
HIST 101	HISTORY OF CIVILIZATION	3		
UNIV 100	UNIVERSITY SUCCESS	2		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

FRESHMAN YEAR 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 142 AND CHML 142	GENERAL CHEMISTRY II AND LAB	4		
ENG 105	COMPOSITION	3		
MATH 241	CALCULUS I	3		
HIST 102	HISTORY OF CIVILIZATION	3		
CSC 115	DIGITAL COMPUTER PRINCIPLES	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

SOPHOMORE YEAR 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 241 & CHML 241	ORGANIC CHEMISTRY I AND LAB	4		
MATH 242	CALCULUS II	3		
PHY 211 & PHYL 211	GENERAL PHYSICS AND LAB	5		
PE	Any 100-Level PE or HE 101	1		
ENG 205	WORLD LITERATURE	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

Note: If Health (HE 101) is taken in one of the semester, then PE option is satisfied for both semesters.

Comments: \_\_\_\_\_

SOPHOMORE YEAR 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 242 & CHML 242	ORGANIC CHEMISTRY II AND LAB	4		
SPCH	SPEECH OPTION	3		
PHY 212 & PHYL 212	GENERAL PHYSICS AND LAB	5		
PE	PHYSICAL EDUCATION	1		
MATH 243	CALCULUS III	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

English Proficiency: Date taken \_\_\_\_\_ Pass or Fail

If Failed: English 399 (Functional Writing): Date Taken \_\_\_\_\_ Pass or Fail

Comments: \_\_\_\_\_

Note: If Health (HE 101) is taken in one of the semesters, then PE option is satisfied for both semesters.

JUNIOR YEAR 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 320 & CHML 320	ANALYTICAL CHEMISTRY AND LAB	4		
CHEM 381	CHEMISTRY SEMINAR	0.5		
CHEM 341 & CHML 341	PHYSICAL CHEMISTRY I AND LAB	4		
MFL	MODERN FOREIGN LANGUAGE	3		
	CORE II Option A	3		
TOTAL CREDIT HOURS		14.5	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

JUNIOR YEAR 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 340 & CHML 340	INORGANIC CHEMISTRY AND LAB	4		
CHEM 382	CHEMISTRY SEMINAR	0.5		
CHEM 342 & CHML 342	PHYSICAL CHEMISTRY II AND LAB	4		
MFL 102	MODERN FOREIGN LANGUAGE	3		
CHEM 429	ORGANIC STRUCTURE DETERMINATION BY SPECTROSCOPY	3		
CHEM 310	INTRODUCTION TO RESEARCH	2		
TOTAL CREDIT HOURS		16.5	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

SENIOR YEAR 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 431 & CHML 431	BIOCHEMISTRY I AND LAB	4		
CHEM 481	CHEMISTRY SEMINAR	0.5		
CHEM	ADV. CHEM. OPTION	3		
CHEM 380	INDEPENDENT STUDY	1		
PHIL	PHILOSOPHY OPTION	3		
	CORE II OPTION (A)	3		
TOTAL CREDIT HOURS		14.5	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

SENIOR YEAR 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 421 & CHML 421	INSTRUMENTATION & INSTRUMENTATION LAB	4		
CHEM 482	CHEMISTRY SEMINAR	0.5		
CHEM 380	INDEPENDENT STUDY	1		
CHEM	ADV. CHEM. OPTION	3		
ELECTIVE	GENERAL ELECTIVE	3		
ELECTIVE	GENERAL ELECTIVE	3		
TOTAL CREDIT HOURS		14.5	GRADE POINT AVERAGE	

Comments: \_\_\_\_\_

On-line Graduation Clearance (TO BE COMPLETED DURING THE GRADUATING SEMESTER ONLY)

TOTAL HOURS: 124 (REQUIRED)

\*Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: University Success: however, the student must take 2 hours of general electives to replace the UNIV course.

\*All students must take the Undergraduate English Proficiency Examination (UEPE) after the sophomore year. Students not passing the exam must take **ENG 399**

STUDENT SIGNATURE

DATE

ADVISOR SIGNATURE

DATE

Standardized Tests (GRE, MCAT, MFT, PCAT, etc), Chemistry Exit Exam, Research Report, and Research Presentation are required before graduation.

Advanced Chemistry Option Courses: Two of the following courses: CHEM 432 (Biochemistry II), CHEM 436 (Physical Organic Chemistry), CHEM 438 (Organic Synthesis), CHEM 439 (Introduction to Polymer Chemistry), CHEM 441 (Advanced Inorganic Chemistry), CHEM 458 (Quantum Chemistry), or CHEM 410 (Environmental Chemistry)

CORE II Options: (All students must complete).

A. Social/Behavioral Science or Fine Arts/Humanities:

One of the following: SS 201, SS 202, SOC 214, PS 334, PS 336, GEO 105, Geo 209, SOC 325, PSY 201, PS 335, ECO 211, or ECO 212.

One of the following: ART 206, DR 201, MUS 205, ENG 201H, or ENG 202H.

B. Speech Option: One of the following: SPCH 201, SPCH 216, SPCH 300, SPCH 334, SPCH 335, SPCH 430.

C. Philosophy Option: One of following: PHIL 301, PHIL 308, PHIL 309, PHIL 416, MGMT 482, SW 210.

)

\*Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: Concepts for Success in College

Revised 7/2/2019