

FALL 2012

## College of Science, Engineering and Technology

Major: Chemistry

Concentration: Biomedical Sciences

Entering Term: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Advisor: \_\_\_\_\_

Approved: Academic Affairs



Dr. Lynda Brown-Wright, Provost

\*Indicate Summer Courses in Comments Section\*

FRESHMAN YEAR FALL 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 I	3		
BIO 111 & BIOL 111	General Biology and Lab	4		
UNIV 100	University Success	2		
HIST 101	History Of Civilization I	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

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

FRESHMAN YEAR SPRING 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 142 & CHML 142	General Chemistry II and Lab	4		
ENG 105	Composition II	3		
BIO 112 & BIOL 112	General Biology II and Lab	4		
CSC 115	Digital Computer Principles	3		
HIST 102	History Of Civilization II	3		
TOTAL CREDIT HOURS		17	GRADE POINT AVERAGE	

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

SOPHOMORE YEAR FALL 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 241 & CHML 241	Organic Chemistry I and Lab	4		
MATH 241	Calculus I	3		
MFL 101	Modern Foreign Language	3		
SPCH	Speech Elective	3		
ENG 205	World Literature	3		
TOTAL CREDIT HOURS		16	GRADE POINT AVERAGE	

Students who have completed two years of a single foreign language in high school with a grade of 'C' are exempt from foreign language requirements; however, the student must take 6 hours of electives to replace the foreign language credits.

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

SOPHOMORE YEAR SPRING 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 242 & CHML 242	Organic Chemistry II and Lab	4		
CHEM 243 & CHML 243	Qual. Organic Analysis and ab	3		
MATH 242	Calculus II	3		
MFL 102	Modern Foreign Language	3		
PE	Any 100-Level PE or HE 101	1		
SS or FINE ARTS	Core Option (A)	3		
TOTAL CREDIT HOURS		17	GRADE POINT AVERAGE	

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

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

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

FALL 2012

JUNIOR YEAR FALL 1 <sup>ST</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 320 & CHML 320	Analytical Chemistry and Lab	4		
PHY 201 & PHY 201	Basic Physics and Lab	4		
CHEM 381	Chemistry Seminar	0.5		
CHEM 341 & CHML 341	Physical Chemistry I and Lab	4		
CHEM 380	Independent Study	1		
PE	Any 100-Level PE or HE 101	1		
TOTAL CREDIT HOURS		14.5	GRADE POINT AVERAGE	

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

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

JUNIOR YEAR SPRING 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		
PHY 202 & PHY 202	Basic Physics and Lab	4		
CHEM 310	Introduction to Research	2		
BIO	Biomed Option and Lab	4		
TOTAL CREDIT HOURS		14.5	GRADE POINT AVERAGE	

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

SENIOR YEAR FALL 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 380	Independent Study	1		
BIO	Biomed Option	3		
SS or FINE ARTS	Core Option (A)	3		
ELECTIVE	General Elective	3		
TOTAL CREDIT HOURS		14.5	GRADE POINT AVERAGE	

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

SENIOR YEAR SPRING 2 <sup>ND</sup> SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 421 & CHML 421	Instrumentation and Instrumentation Lab	4		
CHEM 482	Chemistry Seminar	0.5		
CHEM 432	Biochemistry II	3		
PHIL	Philosophy Elective	3		
ELECTIVE	General Elective	3		
CHEM 380	Independent Study	1		
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) FOR FALL 2012

\*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 \_\_\_\_\_

FALL 2012

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

Biomedical Sciences Option Courses: Two of the following courses but one must have a lab: BIO 234 (Human Anatomy & Physiology), BIO 313 (Introduction to Microbiology), BIO 318 (Introduction to Genetics), BIO 440 (Cell Biology), or BIO 409 (General Genetics).

Students are qualified to receive a minor in biology.

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.