

FALL 2012



College of Science, Engineering and Technology

Major: Chemistry

Concentration: Environmental Sciences

Approved: Academic Affairs
L. Brown-Wright
 Dr. Lynda Brown-Wright, Provost

Entering Term: _____
 Expected Graduation Date: _____
 Advisor: _____

Indicate Summer Courses in Comments Section

FRESHMAN YEAR FALL 1st 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 I 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 ND 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 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 241 & CHML 241	Organic Chemistry I and Lab	4		
MATH 241	Calculus I	3		
SPCH ____	Speech Elective	3		
PE ____	Any 100-Level PE or HE 101	1		
ENG 205	World Literature	3		
TOTAL CREDIT HOURS		14	GRADE POINT AVERAGE	

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

Comments: _____

SOPHOMORE YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 242 & CHML 242	Organic Chemistry II and Lab	4		
MATH 242	Calculus II	3		
PHIL ____	Philosophy Elective	3		
SS ____ or FINE ARTS	Core Option (A)	3		
PE ____	Any 100-Level PE or HE 101	1		
TOTAL CREDIT HOURS		14	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: _____

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JUNIOR YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 320 & CHML 320	Analytical Chemistry and Lab	4		
PHY 201 & PHY 201	Basic Physics I and Lab	4		
CHEM 341 & CHML 341	Physical Chemistry I and Lab	4		
CHEM 381	Chemistry Seminar	0.5		
MFL 101	Modern Foreign Language	3		
TOTAL CREDIT HOURS		15.5	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: _____

JUNIOR YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 340 & CHML 340	Inorganic Chemistry and Lab	4		
PHY 202 & PHY 202	Basic Physics II and Lab	4		
CHEM 382	Chemistry Seminar	0.5		
CHEM 310	Introduction to Research	2		
MFL 102	Modern Foreign Language	3		
CHEM 380	Independent Study	1		
TOTAL CREDIT HOURS		14.5	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: _____

SENIOR YEAR FALL 1 ST SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 410 & CHML 410	Environmental Chemistry and Lab	4		
CHEM 481	Chemistry Seminar	0.5		
CHEM 431 & CHML 431	Biochemistry I and Lab	4		
CHEM 380	Independent Study	1		
SS or FINE ARTS ELECTIVE	Core II Option (A)	3		
	General Elective	3		
TOTAL CREDIT HOURS		15.5	GRADE POINT AVERAGE	

Comments: _____

SENIOR YEAR SPRING 2 ND SEMESTER				
COURSE	COURSE TITLE	CREDIT HOURS	GRADE	NOTES
CHEM 421 & CHML 421	Instrumentation and Lab	4		
CHEM 482	Chemistry Seminar	0.5		
BIO ____	Environmental Option and Lab	4		
CHEM ____	Toxicology Option	3		
BIO ____	Environmental Option and Lab	4		
CHEM 380	Independent Study	1		
TOTAL CREDIT HOURS		16.5	GRADE POINT AVERAGE	

Comments: _____

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

TOTAL HOURS: 123 (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 _____

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*Students are qualified to obtain a minor degree in Biology

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

Environmental Science Option Courses. Two of the following with labs: BIO 201 (Introduction to Environmental Sciences), BIO 403 (Human Environments and Natural Systems), or BIO 404 (Introduction to Environmental Sciences).

Toxicology Option Courses. One of the following: ITHM 400 (Principles of Toxicology), ITHM 529 (Environmental Toxicology and Risk Assessment) or CHEM 471 (Forensic Toxicology).

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.