

**I. CORE CURRICULUM ..... 44**

Courses totaling 32 sem. hours must be completed in addition to the 12 sem. hours of courses required for the major that will also meet core curriculum requirements (CHE 1101, 1110, 1102, 1120 & MAT 1110).

**Recommended humanities course: PHL 1100, Logic I (3 semester hours)**

**Recommended social science course: ECO 2030, Principles of Economic Price Theory (3 semester hours)**

**II. MAJOR REQUIREMENTS (not including 12 semester hours already counted in I above)..... 68**

**2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II.**

**A. Chemistry Course Requirements: 36 semester hours (8 hours already counted in Core Curriculum Science Req.)**

CHE 1101	_____ (3)	Introductory Chemistry I (ND)
CHE 1110	_____ (1)	Introductory Chemistry I Lab
CHE 1102	_____ (3)	Introductory Chemistry II (ND)
CHE 1120	_____ (1)	Introductory Chemistry II Lab
CHE 2201	_____ (3)	Organic Chemistry I
CHE 2203	_____ (1)	Organic Chemistry I Lab
CHE 2202	_____ (3)	Organic Chemistry II
CHE 2204	_____ (1)	Organic Chemistry II Lab (W)
CHE 2210	_____ (2)	Quantitative Analysis
CHE 2211	_____ (2)	Quantitative Analysis Lab (W)
CHE 3000	_____ (1)	Introduction to Chemical Research (S)
CHE 3301	_____ (3)	Physical Chemistry I (C)
CHE 3303	_____ (1)	Physical Chemistry I Laboratory (W)
CHE 3404	_____ (3)	Inorganic Chemistry
CHE 3560	_____ (3)	Instrumental Methods of Analysis
CHE 3561	_____ (1)	Instrumental Methods of Analysis Lab (W)
CHE 4580	_____ (3)	Biochemistry I
CHE 4581	_____ (1)	Biochemistry I Lab (W)

Major Designators

2 Writing (W) \_\_\_\_\_  
 1 Speaking (S) \_\_\_\_\_  
 Certified Proficiency in Communication (CPC) \_\_\_\_\_  
 CPC is met by completion of CHE 2211 (W), CHE 3303 (W), and CHE 3000 (S) with a minimum grade of C- in each course

Other Designators

4 Writing (W) \_\_\_\_\_  
 4 Multi Cultural (MC) \_\_\_\_\_  
 2 Numerical Data (ND) \_\_\_\_\_  
 2 Computer (C) \_\_\_\_\_  
 1 Cross Disciplinary (CD) \_\_\_\_\_

**B. Physics: 10 semester hours**

PHY 1150	_____ (5)	Analytical Physics I (ND)
PHY 1151	_____ (5)	Analytical Physics II (ND)

**C. Mathematics\*and Statistics: 11 semester hours (4 hours already counted in Core Curriculum)**

MAT 1110	_____ (4)	Calculus w/Analytic Geometry I (ND)
MAT 1120	_____ (4)	Calculus w/ Analytic Geometry II (ND)
STT 2810	_____ (3)	Introduction to Statistics (ND, C)

*\*Students taking a college algebra course before MAT 1110 should enroll in MAT 1025, Algebra and Elementary Functions*

**D. Other Science: 8 semester hours**

BIO 1110	_____ (4)	Concepts of Biology
BIO 3800	_____ (4)	Molecular Biology (W, ND, C)

**E. Criminal Justice Courses: 15 semester hours**

C J 1100	_____ (3)	Introduction to Criminal Justice
C J 3551	_____ (3)	Criminal Law
C J 3552	_____ (3)	Criminal Procedure
C J 3400	_____ (3)	Theories of Crime and Justice (CD)
C J 3405	_____ (3)	Forensic Investigation

**III. MINOR (optional)**

**IV. ELECTIVES (taken to total 122 hours for the degree)..... 10**

*Electives recommended by department: CHE 4590 Spectral Interpretations (2 s.h.), BIO 3306/3307 Genetics and Lab (4 s.h.), STT 3820 Statistical Methods I (3 s.h.)*

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**2 semester hours of free electives must be outside the major discipline.**