

Name: \_\_\_\_\_

## **CHEMISTRY (Forensic Science Concentration), B.S.**

40 courses of three or more credits and 3 one-credit PE courses

### **GENERAL EDUCATION CORE**

**BASIC REQUIREMENTS** (2 courses and 3 one-credit PE courses)

- Composition and Rhetoric
- EN 103 Composition and Rhetoric I
  - EN 104 Composition and Rhetoric II
- Physical Education Courses
- PE 100
  - PE \_\_\_\_\_
  - PE \_\_\_\_\_

**MODES OF THINKING** (3 courses)

- Literature (Select one)
- EN 110, EN 112, EN 115
- Mathematics (**Satisfied by Major - MA 121**)
- Natural Science (**Satisfied by Major**)
- Philosophy
- PL 109
- Social Sciences (**Satisfied by Major – CJ 109**)

**CULTURAL LITERACY** (6 courses)

- Humanities I and II. *Preferably* select a set (e.g., HI 201/202). However, a combination (e.g., PO 201 + HI 214) is acceptable.
- Hum. I: HI 201, PO 201, HI 213
  - Hum. II: HI 202, PO 202, HI 214, HI 262
- Humanities III: Great Works of Art & Music  
(See Master Schedule of Day Classes)
- \_\_\_\_\_
- Humanities IV: Great Works of Literature  
(See Master Schedule of Day Classes)
- \_\_\_\_\_
- Foreign Language/World Cultures  
(Select either two of the same language, any two WC, or one WC and one approved course with international study)
- \_\_\_\_\_
  - \_\_\_\_\_

### **CHRISTIAN VALUES AND THEOLOGY**

- (3 courses)
- Catholic Theology
- TH 109
- Intermediate Theology (200/300 level TH)
- TH \_\_\_\_\_
- Values Seminar  
(See Master Schedule of Day Classes)
- \_\_\_\_\_

### **MAJOR**

(16 required courses)

- CH 101: General Chemistry I
- CH 102: General Chemistry II
- CH 231: Organic Chemistry I
- CH 232: Organic Chemistry II
- CH 304: Inorganic Chemistry
- CH 351: Physical Chemistry I
- CH 361: Analytical Chemistry
- CH 362: Instrumental Analytic Chemistry
- CH 435: Biochemistry I
- CH 455: Research Seminar
- BI 151: Introductory Biology I
- BI 255: Molecular Biology
- MA 121: Calculus I
- MA 122: Calculus II
- PH 201: Gen. Phys. I: Mechanics and Heat
- PH 202: Gen. Phys. II: Wave Phenomena and Electromagnetism

**Recommended Courses:** CH 105, CH 352, CH 436

### **REQUIRED ELECTIVES**

(7 courses)

- CH 305: Forensic Toxicology
- CJ 109: Crime and Society
- CJ 208: Crime Lab
- CJ 260: Law Enforcement
- CJ 360: Forensics and Criminal Investigation
- MA 111: Probability & Statistics
- PS 365: Psychological Sleuthing

### **ELECTIVES**

(As needed to complete 40-course req.)

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

A.Koefer, Director of Academic Resource Center  
Effective fall, 2019

***For the most up-to-date record of progress toward completion of degree requirements, students should use the Academic Evaluation tool, which is listed under the Academic Planning heading in WebAdvisor.***

**DE SALES UNIVERSITY**  
**Typical Program: CHEMISTRY MAJOR (B. S.)**  
**With a concentration in Forensic Science**

**FALL SEMESTER**

**SPRING SEMESTER**

**FIRST YEAR**

General Chemistry I (CH 101)  
Calculus I (MA 121)  
Composition and Rhetoric I (EN 103)  
Free Elective  
Foreign Language/World Culture

General Chemistry II (CH 102)  
Calculus II (MA 122)  
Composition and Rhetoric II (EN 104)  
Catholic Theology (TH 109)  
Foreign Language/World Cultures  
Lifetime Fitness and Wellness (PE 100)  
Laboratory Safety (CH 105)\* *recommended*  
*\*1 credit*

**SECOND YEAR**

Organic Chemistry I (CH 231)  
General Physics I (PH 201)  
Philosophy MOT (PL 109)  
Humanities I  
Introductory Biology I (BI 151)  
Physical Education (Activity)

Organic Chemistry II (CH 232)  
General Physics II (PH 202)  
Crime Lab (CJ 208)  
Humanities II  
Literature MOT  
Physical Education (Activity)

**THIRD YEAR**

Analytical Chem. (CH 361)\* **or**  
Physical Chemistry (CH 351)\*  
Biochemistry (CH 435) \*\* **or**  
Molecular Biology (BI 255)  
Free Elective  
Humanities III  
  
Intermediate Theology (200-300)

... **or** ...

... **or** ...

Instru. Analytical Chemistry (CH 362)\* **and**  
Inorganic Chemistry (CH 304) **or**  
Physical Chemistry II (CH 352)\*\*  
Research Seminar (CH 455)  
Psychological Sleuthing (PS 365)  
Humanities IV **or**  
Forensic Toxicology (CH 305)\*\*\*  
Crime and Society (CJ 109)

**FOURTH YEAR**

Physical Chemistry (CH 351) \* **or**  
Analytical Chemistry (CH 361)\*  
Molecular Biology (BI 255) **or**  
Biochemistry (CH 435)  
Probability & Statistics (MA 111)  
Law Enforcement (CJ 260)  
Values Seminar

Physical Chemistry II (CH 352)\*\* **or**  
Instrumental Analytical Chem. (CH 362)\*  
**and** Inorganic Chemistry (CH 304)\*\*  
Forensics and Crim. Invest. (CJ 360)  
Forensic Toxicology (CH 305)\*\*\* **or**  
Humanities IV  
Free Elective  
Free Elective

\* Analytical Chemistry (CH 361/362) and Inorganic Chemistry (CH 304) are offered on alternate years with Physical Chemistry (CH 351/352)

\*\*Physical Chemistry (CH 352) II is recommended, not required for this major

\*\*\*Forensic Toxicology (CH 305) is offered in alternate years

**MOT = Modes of Thinking**

A.Koefer, Director of Academic Resource Center Effective fall, 2019