

Name: _____

CHEMISTRY, 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 (Select one)
- CJ 109, EC 209, EC 112, PO 103, PO 109, PS 109, or SO 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: CH 475: Recommended (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 352: Physical Chemistry II
- CH 361: Analytical Chemistry
- CH 362: Instrumental Analytic Chemistry
- CH 435: Biochemistry I
- CH 455: Research Seminar
- CH 461: Research or CH 396-399: Internship
- 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: BI 151, CH 1053, CH 436, CH 475.

MINOR

(6 courses)

- | | |
|--------------------------------|--------------------------------|
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ELECTIVES

(As needed to complete 40-course req.)

- | | |
|--------------------------------|--------------------------------|
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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.)

FALL SEMESTER

SPRING SEMESTER

FIRST YEAR

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

General Chemistry II (CH 102)
Calculus II (MA 122)
Composition and Rhetoric II (EN 104)
Foreign Language/World Cultures
Catholic Theology (TH 109)
Fitness and Wellness (PE 100)

SECOND YEAR

Organic Chemistry I (CH 231)
General Physics I (PH 201)
Literature MOT
Humanities I
Intro. Biology I (BI 151) or Free Elective
Physical Education (Activity)

Organic Chemistry II (CH 232)
General Physics II (PH 202)
Free Elective
Humanities II
Philosophy MOT (PL 109)
Physical Education (Activity)

THIRD YEAR

Analytical Chemistry (CH 361) **or**
Physical Chemistry (CH 351)
Biochemistry I (CH 435) **or** Free Elective
Free Elective
Humanities 3
Social Science MOT
Intermediate Theology (200-300)

Inorganic Chemistry (CH 304)
Instrumental Analytical Chem. (CH 362) **or**
Physical Chemistry (CH 352)*
Free Elective
Humanities 4
Research Seminar (CH 455)

FOURTH YEAR

Physical Chemistry (CH 351) **or**
Analytical Chemistry (CH 361)
Research Seminar I (CH 461) **or**
Internship (CH 396-399)
General Biochemistry (CH 435) **or**
Free Elective
Free Elective
Values Seminar

Inorganic Chemistry (CH 304)
Instrumental Analytical CH (CH 362) **or**
Physical Chemistry (CH352) *
Free Elective
Free Elective
Free Elective

MOT = Modes of Thought

*** Physical Chemistry I and II are offered on alternate years with Analytical Chemistry, Instrumental Chemistry and Inorganic Chemistry.**

Students pursuing Secondary Education Teacher Certification should follow the STEP Chemistry Graduation Requirement Forms.

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