

B.A. CHEMISTRY

NAME _____ SID # _____ DATE: _____

CATALOG YEAR 2023-2024

EXPECTED GRADUATION DATE _____

GENERAL EDUCATION REQUIREMENTS

English Composition

ENGL 101 or 107 3 _____

ENGL 102 or 108 3 _____

Or

ENGL 109H 3 _____

Foundations Math (Placement may require pre-requisite coursework prior to completion of this requirement.)

MATH 122A & B (5) or MATH 125 (3) 3 _____

Second Language

4th semester proficiency 4-5 _____

UNIV 101: Intro to the General Education Experience..... 1 _____

Exploring Perspectives

Artist 3 _____

Humanist 3 _____

Natural Scientist 3 _____

Social Scientist..... 3 _____

Building Connections

Course 1 3 _____

Course 2 3 _____

Course 3 3 _____

UNIV301: General Education Portfolio..... 1 _____**32 Units Minimum**.....32 _____

Note: 9 units may be used to fulfill GE requirements while double-dipping with requirements in a major, pre-major, or minor.

CHEM FOUNDATION COURSES

Mathematics (Calculus I, & Calculus II, Calculus III)

MATH 122A/B OR 125 3-5 _____

MATH 129 3 _____

CHEM380 (F) OR MATH 223 3 _____

Physics (Introductory Physics)

PHYS 141 OR 161H 3- 4 _____

PHYS 241 OR 261H 3- 4 _____

CHEM MAJOR COURSEWORK

Chemistry Majors Colloquia

CHEM 195A 1 _____

CHEM 295A 1 _____

CHEM 395A 1 _____

General Chemistry (with labs)

CHEM 181(F) OR 161/163(F) 4 _____

CHEM 182(S) OR 162/164 (S) 4 _____

Organic Chemistry

First Semester Lecture and Lab

CHEM 246A (F) 3 _____

CHEM 247A (F) 2 _____

Second Semester Lecture and Lab

CHEM 246B (S) 3 _____

CHEM 247B (S) 2 _____

Physical Chemistry

CHEM 480A 3 _____

CHEM 480B or CHEM 481..... 3 _____

Core Electives:

4 courses required; one must be a lab noted by an *.**Check prerequisites before enrolling.**

Quantitative Analysis (Analytical Chemistry)

CHEM 325 Analytical Lecture 2 _____

CHEM 326 Analytical Lab* 2 _____

Instrumental Analysis

CHEM 401A (S) 3 _____

CHEM 400A (F)* 3 _____

Inorganic Chemistry

CHEM 404A (S)..... 3 _____

CHEM 412* 3 _____

Organic Chemistry

CHEM 446 (F)* 3 _____

CHEM 447 (S)* 3 _____

CHEM 450 (F) 3 _____

Biochemistry

BIOC 384 or BIOC 462A(F)..... 3-4 _____

BIOC 385 or 462B (S))..... 3-4 _____

Physical Chemistry

CHEM 400B (S)* 3 _____

UNIVERSITY REQUIREMENTS:

- | | |
|--|--|
| <input type="checkbox"/> 120 Total Units | <input type="checkbox"/> 42 Upper Division Units |
| <input type="checkbox"/> 2.0+ Cum GPA | <input type="checkbox"/> 2.0+ Major GPA |
| <input type="checkbox"/> MCWA | <input type="checkbox"/> 30 UA Units |
| <input type="checkbox"/> 18/30 Upper Division UA Units | |
| <input type="checkbox"/> 56+ University Units | |

Chemistry Academic Plan

1st Semester Fall

General Chemistry I w/ Lab (4)
CHEM 195A (1)
MATH 122A (1)
MATH 122B (4)
ENGL 101 English Composition (3)
UNIV 101 (1)
GE Core: Exp. Perspectives or Building Conn (3)

3rd Semester Fall

CHEM 246A (3)
CHEM 247A (2)
Chem 380 OR MATH 223 (3-4)
PHYS 141 (4)
Second Language (4)

5th Semester Fall

CHEM 480A Physical Chemistry I (3)
CHEM Elective (3)
Second Language (4)
GE Core: Exp. Perspectives or Building Conn (3)

7th Semester Fall

GE Core: Exp. Perspectives or Building Conn (3)
CHEM Elective (3)
Electives (6)

2nd Semester Spring

General Chemistry II w/ Lab (4)
MATH 129 (3)
ENGL 102 English Composition II (3)
GE Core: Exp. Perspectives or Building Conn (3)
GE Core: Exp. Perspectives or Building Conn (3)
Connections (3)

4th Semester Spring

CHEM 246B (3)
CHEM 247B (2)
CHEM395A (1) (recommended)
PHYS 241 (4)
Second Language (4)

6th Semester Spring

CHEM480B or **481 (3)**
CHEM Elective (3)
Second Language (4)
GE Core: Exp. Perspectives or Building Conn (3)

8th Semester Spring

UNIV 301 (1)
GE Core: Exp. Perspectives or Building Conn (3)
CHEM Elective (3)
Electives (6)

Classes in **BOLD** are only offered in the fall or spring as listed.

This checklist indicates CHEMBA requirements. Additional coursework not listed on this page may be required in order to graduate. Work with your advisor every semester to be sure you are on track to meet all requirements.