

B.A. CHEMISTRY

NAME _____ SID # _____ DATE: _____

CATALOG YEAR 2021-2022

EXPECTED GRADUATION DATE _____

GENERAL EDUCATION REQUIREMENTS

English Composition

ENGL 101 or 107 3 ____

ENGL 102 or 108 3 ____

Or

ENGL 109H 3 ____

Second Language

4th semester proficiency by credit or exam required.... ____

Individuals and Societies (3 courses)

Tier One ____ 150 A, B, or C..... 3 ____

Tier One ____ 150 A, B, or C..... 3 ____

Tier Two Individuals & Societies course 3 ____

Traditions and Cultures / Humanities (3 courses)

Tier One ____ 160 A, B, C, or D 3 ____

Tier One ____ 160 A, B, C, or D 3 ____

Tier Two Humanities course 3 ____

Tier Two Arts (3 units total)

_____ 3 ____

Natural Sciences (NATS) - Satisfied by CBC major course work.

Diversity Emphasis Course

(Gender/Race/Class/Ethnicity/Sexual Orient./Non-Western)

One course must be taken from the GRCESONW list; Can be double-dipped with Tier One or Tier Two courses

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

General Chemistry (with labs)

CHEM 151 **OR** 141/143 **OR** 161/163(F)4 ____

CHEM 152 **OR** 142/144 **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 480A3 ____

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:

120 total units 42 upper division units

2.000+ cum GPA 2.000+ major GPA

MCWA complete _____ 18 of 30 UA units upper division _____
30+ total units at UA _____ <60 correspondence/UA exam units _____

Chemistry Academic Plan

1st Semester Fall

General Chemistry I w/ Lab (4)
MATH 122A (1)
MATH 122B (4)
ENGL 101 English Composition (3)
Tier I General Education (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)
Tier I General Education (3)

7th Semester Fall

Tier II General Education (3)
CHEM Elective (3)
Electives (6)

2nd Semester Spring

General Chemistry II w/ Lab (4)
MATH 129 (3)
ENGL 102 English Composition II (3)
Tier I General Education (3)
Tier I General Education (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)
Tier II General Education (3)

8th Semester Spring

Tier II General Education (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.