

2022-2023 Chemistry BS Degree Plan



UNIVERSITY of
MONTEVALLO

Student name: _____ UMID: _____ Date: _____

Advisor name: _____ Concentration: **ACS Certified**

The Purpose of General Education is to Gain:

- Knowledge of Human Cultures and the Physical and Natural World
- Intellectual and Practical Skills
- Personal and Social Responsibility
- Integrative and Applied Learning

Key Courses For General Education (47 hours)

- Written Composition (6)**
Choose: ENG 101 or 103. 3 _____
Choose: ENG 102 or 104. 3 _____
- Humanities & Fine Arts (18)**
Choose one: ENG 231, 233, 232 or 234.* 3 _____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose: COMS 101 or 102. 3 _____
Choose one Fine Arts: ART 100, 120, 220; 3 _____
MC 100, 325; MUS 121 or 122, 125, 211, 255, 342; THEA 120 or 122.
Choose one Humanities:
ENG 231 or 233, 232 or 234; FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103, 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; 3 _____
PHIL 110 or 111, 180, 220 or 221, 230, 280, 290.
Choose two of the following (not used above):
ART 100, 120, 220; ENG 231 or 233, 232 or 234; 3 _____
FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103, 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; MC 100, 325; MUS 121 or 122, 125, 211, 255, 342; PHIL 110 or 111, 180, 220 or 221, 230, 280, 290; THEA 120 or 122.
- Natural Sciences & Mathematics (11)**
Choose: CHEM 121. 4 **
Choose: PHYS 201 or 241. 4 _____
Choose: MATH 170. 4 _____
- History, Social & Behavioral Sciences (12)**
Choose one History: HIST 101, 103, 102 or 104.* 3 _____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose three of the following not used above:
EC 231, 232; FCS 291, 402; GEOG 231; 3 _____
HIST 101 or 103, 102 or 104; POS 200, 250; 3 _____
PSYC 201/202; SOC 101/102; SWK 203, 260, 322. 3 _____
- Personal Development (3)**
Choose one of the following: 3 _____
ART 250, 255; CS 161; ED 447; ES 200; FCS 281; EXNS 120; MATH 261; MIS 161; MUS 228.

** Indicates requirement is satisfied in major course requirements.

Additional Requirements for Degree

Bachelor of Science Requirements

Satisfied through additional major requirements.

Major Course Requirements (49-50 hours)

CHEM 185 (Intro. to the Chemistry Major)	1 _____
CHEM 121 (General Chemistry I)	4 _____
CHEM 122 (General Chemistry II)	4 _____
CHEM 221 (Organic Chemistry I)	4 _____
CHEM 222 (Organic Chemistry II)	4 _____
CHEM 320 (Analytical Chemistry)	4 _____
CHEM 321 (Physical Chemistry I)	4 _____
CHEM 322 (Physical Chemistry II)	4 _____
CHEM 370 (Biochemistry I)	4 _____
CHEM 380 (Spec. Projects in Chemistry) or	
CHEM 431 (Research Project)	3/4 _____
CHEM 420 (Advanced Inorganic Chemistry)	4 _____
CHEM 440 (Spec. Topics in CHEM [Polymers])	3 _____
CHEM 450 (Instrumental Analysis)	4 _____
CHEM 491 (Chemistry Seminar)	2 _____

Additional Requirements (8 hours)

MATH 171	4 _____
PHYS 202 or 242	4 _____

Students are required to complete 400 laboratory hours above the general sequence.

General Electives (15-16 hours)

Minor Course Requirements (Optional)

Title: _____ Hrs. Req. _____

GENERAL GRADUATION REQUIREMENTS

- 50% of hrs in major area at UM
- 30 hrs 300/400 at UM
- 30 of last 40 hours at UM
- 64 hr limit from 2-year school
- 45 hr limit of non-traditional credit
- 6-hr sequence in history or literature
- Capstone experience within major
- 2.0 or higher UM GPA and in all major and minor areas

Total Hours Required: 120

Total Hours Completed to Date: _____

Hours Remaining for Completion: _____

Hours Currently Registered: _____

Hours Remaining: _____