

2019-2020 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)

1. **Written Composition (6)**
Choose ENG 101 or 103. 3 _____
Choose ENG 102 or 104. 3 _____
2. **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, 218, 219; 3 _____
 MC 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, 3 _____
 201, 202, 250; SPN 101 or 103, 102 or 104, 150,
 201, 202, 250; GER 101, 102, 201, 202;
 PHIL 110 or 111, 180, 220 or 221, 230, 280, 290.
Choose two of the following (not used above):
 ART 100, 218, 219; ENG 231 or 233, 232 or 234; 3 _____
 FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103, 3 _____
 102 or 104, 150, 201, 202, 250; GER 101, 102, 201,
 202; MC 325; MUS 121 or 122, 125, 211, 255, 342;
 PHIL 110 or 111, 180, 220 or 221, 230, 280, 290;
 THEA 120 or 122.
3. **Natural Sciences & Mathematics (11)**
Choose CHEM 121. 4 **
Choose PHYS 201 or 241. 4 _____
Choose MATH 170. 4 _____
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; SOC 101 or 102; SWK 203, 260, 322. 3 _____
5. **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 (Survey of Chemistry) | 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

- | | |
|-----------------------------------|--|
| 1. 50% of hrs in major area at UM | 5. 45 hr limit of non-traditional credit |
| 2. 30 hrs 300/400 at UM | 6. 6-hr sequence in history or literature |
| 3. 30 of last 40 hours at UM | 7. Capstone experience within major |
| 4. 64 hr limit from 2-year school | 8. 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:	_____