

Chemistry (B.S.) – Foreign Language

2022-2023 Academic Catalog, Bachelor of Science – Chemistry, Optional Global Emphasis: Foreign Language

Academic Core for B.S.

46 Hours

CHRISTIAN STUDIES 6

CSBS 1311	Engaging the Old Testament	3
CSBS 1312	Engaging the New Testament	3

ENGLISH 9

ENGL 1321	Rhetoric & Composition I	3
ENGL 1322	Rhetoric & Composition II	3
ENGL	Literature	3

A grade of a "C" or higher is required in ENGL 1321 and ENGL 1322.

EXERCISE & SPORT SCIENCE 2

EXAC	Activity Course	1
EXAC	Activity Course	1

FINE ARTS – SELECT ONE 3

ARTS 1350	Art Appreciation	3
COMM 2335	Film Appreciation	3
FINA 2330	Exploring the Fine Arts	3
MUSI 1340	Music Appreciation	3
THEA 2350	Introduction to the Theatre	3

WORLD CULTURES – SELECT ONE 3

ARTS 2354	World Art	3
EXSS 2353	Lifespan Nutrition	3
HIST 1311	History of World Civilizations to 1500	3
HIST 1312	History of World Civilizations since 1500	3
MUSI 2358	World Music	3
PHIL 2315	Introduction to Philosophy	3

LAB SCIENCE 8

PHYS 2411	General Physics I	4
PHYS 2412	General Physics II	4

PUBLIC SPEAKING 3

COMM 1320	Public Speaking	3
-----------	-----------------	---

MATHEMATICS 3

MATH 1330	Calculus I	3
-----------	------------	---

RESEARCH METHODS OR INTERNSHIP 2

CHEM 2181	Introduction to Chemical Research-Capstone I	1
CHEM 4181	Chemical Research-Capstone II	1

SOCIAL SCIENCE – SELECT ONE 3

BECO 2310	Principles of Economics	3
PSYC 1301	General Psychology	3
PSYC 2399	Child and Adolescent Development	3
SOCI 1311	Introduction to Sociology	3
SOCW 2311	Introduction to Social Work	3

US HISTORY OR US GOVERNMENT – SELECT ONE 3

HIST 2311	American History to 1877	3
HIST 2312	American History since 1877	3
POLS 2310	State and Federal Government I	3
POLS 2311	State and Federal Government II	3

FRESHMAN SEMINAR 1

UMHB 1101	Freshman Seminar	1
-----------	------------------	---

GLOBAL EMPHASIS – FOREIGN LANGUAGE 8

8 credit hours (2 semesters or the equivalent) in one language 8

CHAPEL – 1 to 4 credits

UMHB 1002	Chapel	
-----------	--------	--

Fine Arts Experience – 2 to 8 credits

UMHB 1005	Fine Arts Experience	
-----------	----------------------	--

Chemistry

B.S. CHEMISTRY MAJOR REQUIRED COURSES 33

CHEM 1410	General Chemistry I	4
CHEM 1420	General Chemistry II	4
CHEM 2181	Introduction to Chemical Research-Capstone I	-
CHEM 3400	Quantitative Analysis	4
CHEM 3410	Organic Chemistry I	4
CHEM 3420	Organic Chemistry II	4
CHEM 3440	Physical Chemistry I	4
CHEM 3450	Physical Chemistry II	4
CHEM 4090	Senior Evaluation	0
CHEM 4181	Chemical Research-Capstone II	-
CHEM 4183	Seminar - Capstone III	1

The hrs. for CHEM2181 and CHEM4181 are already accounted for in the Academic Core

Chemistry Electives – Select 4-6 hrs. from the following:

CHEM 3480	Environmental Chemistry	4
CHEM 4350	Advanced Inorganic Chemistry	3
CHEM 4430	Biochemistry	4
CHEM 4440	Instrumental Analysis	4
CHEM 4190-4490		
CHEM 4193-4493		

A grade of "C" or higher is required in all Chemistry courses counting toward the major

Upper Level Electives 10 Hours
Electives 23 Hours

Total Hours

Academic Core for B.S.	46
Global Emphasis – Foreign Language	8
B.S. Chemistry Major Required Courses	33
Upper Level Electives	10
Electives	23

Total hours required for graduation 120

Additional Graduation Requirements

Minimum Upper Level hours	36
Minimum hours taken at UMHB	30
Minimum Upper Level hours taken at UMHB	24
Minimum cumulative GPA	2.0