

Department of Chemistry
Bachelor of Science in Chemistry (Biochemistry and Biomedical Sciences)
Major Code: CHEM

Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		Freshman Year: Second Semester	
CHEM 180	3	CHEM 181	3
CHEM 108	1	CHEM 191	1
CHEM 190	1	MATH 131	4
ENGL 100	3	ENGL 101	3
African American ¹	3	Humanities / Fine Arts ³	3
MATH 110	4	HPED ²	1
HPED ²	1	Semester Total	15
Semester Total	16		
Sophomore Year: First Semester		Sophomore Year: Second Semester	
CHEM 208	1	CHEM 281	3
CHEM 280	3	CHEM 291	2
CHEM 290 /CHEM 223	1	MATH Elective ⁶	4
MATH 132	4	PHYS 241	3
Global Awareness ⁴	3	PHYS 251	1
Social and Behavioral Sciences ⁵	3	Semester Total	13
Semester Total	15		
Junior Year: First Semester		Junior Year: Second Semester	
CHEM 308	1	CHEM 451	3
CHEM 231	3	CHEM452	2
CHEM 232	2	CHEM 431	3
PHYS 242	3	CHEM 432	2
PHYS 252	1	CHEM 391	2
BIOL 101	4	Free Elective	3
CHEM 390	2	Semester Total	15
Semester Total	16		
Senior Year: First Semester		Senior Year: Second Semester	
CHEM 408	1	CHEM 411	3
CHEM 490	2	CHEM 412	2
CHEM 441	3	Free Elective	4
CHEM 443	1	CHEM 497 (capstone)	3
CHEM 453	3	CHEM 442	3
Free Elective	4	CHEM 444	1
Semester Total	14	Semester Total	16

Total Credit Hours: 120

¹Select one of the following: ENGL 333, ENGL 334, HIST 106, HIST 107, HIST 103, LIBS 202, MUSI 220. Courses may only satisfy ONE general education requirement Global Awareness, African American, Social and Behavioral Sciences, or Humanities and Fine Arts (eg. LIBS 202 can satisfy Humanities/Fine Arts or African American, but not both).

²SSFM 226 may be substituted for the two courses in Physical Education.

³Select one of the following: ENGL 200, ENGL 201, ENGL 230, ENGL 231, ENGL 333, ENGL 334, LIBS 202, MUSI 216, MUSI 220, PHIL 101, PHIL 103, PHIL 104 PHIL 201, PHIL 266, PHIL 267, SPCH 250.

⁴Select one of the following: HIST 130, HIST 206, HIST 207, HIST 216, HIST 231, MGMT 221, PHIL 103, PHIL 201.

⁵Select one of the following: BUED 279, ECON 200, ECON 201, FCS 135, FCS 181, FCS 260, HIST 103, HIST 104, HIST 105, HIST 106, HIST 107, HIST 130, HIST 206, HIST 207, HIST 216, HIST 231, JOMC 240, POLI 110, PSYC 101, SOCI 100, SOCI 200, SSFM 226.

⁶Select MATH 231, 341, or MATH 224.

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in the following courses:

CHEM 108	CHEM 391
CHEM 180	CHEM 408
CHEM 181	CHEM 411
CHEM 190	CHEM 412
CHEM 191	CHEM 431
CHEM 208	CHEM 432
CHEM 231	CHEM 441
CHEM 232	CHEM 442
CHEM 280	CHEM 443
CHEM 281	CHEM 444
CHEM 290	CHEM 451
CHEM 291	CHEM 452
CHEM 308	CHEM 453