

Department of Chemistry
Bachelor of Science in Chemistry (Biochemistry and Biomedical Sciences)
Major Code: 025

Curriculum Guide: Effective 2019-2020

Course	CR	Course	CR
Freshman Year: First Semester		Freshman Year: Second Semester	
CHEM 106	3	CHEM 107	3
CHEM 108	1	CHEM 190 / CHEM 117	1
CHEM 116	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	CHEM 109	1
Semester Total	16	Semester Total	16
Sophomore Year: First Semester		Sophomore Year: Second Semester	
CHEM 208	1	CHEM 209	1
CHEM 221	3	CHEM 222	3
CHEM 290 /CHEM 223	1	CHEM 291 / CHEM 224	2
MATH 132	4	MATH Elective ⁶	3
Global Awareness ⁴	3	PHYS 241	3
Social and Behavioral Sciences ⁵	3	PHYS 251	1
Semester Total	15	Semester Total	13
Junior Year: First Semester		Junior Year: Second Semester	
CHEM 308	1	CHEM 309	1
CHEM 231	3	CHEM 411	3
CHEM 232	2	CHEM 451	3
PHYS 242	3	CHEM452	2
PHYS 252	1	CHEM 431	3
BIOL 101	4	CHEM 432	2
CHEM 390	2	CHEM 391	2
Semester Total	16	Semester Total	16
Senior Year: First Semester		Senior Year: Second Semester	
CHEM 408	1	CHEM 412	2
CHEM 490	2	Biology Elective	4
CHEM 441	3	CHEM 497 (capstone)	3
CHEM 443	1	CHEM 442	3
CHEM 453	3	CHEM 444	1
Free Elective	5	Semester Total	13
Semester Total	15		

Total Credit Hours: 120

¹Select one of the following: ENGL 333, ENGL 334, HIST 103, HIST 106, HIST 107, 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 or 431.

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in the courses listed below.

CHEM 106	CHEM 390
CHEM 107	CHEM 391
CHEM 108	CHEM 408
CHEM 109	CHEM 411
CHEM 116	CHEM 412
CHEM 117 / CHEM 190	CHEM 431
CHEM 208	CHEM 432
CHEM 209	CHEM 441
CHEM 221	CHEM 442
CHEM 222	CHEM 443
CHEM 231	CHEM 444
CHEM 232	CHEM 451
CHEM 223 / CHEM 290	CHEM 452
CHEM 224 / CHEM 291	CHEM 453
CHEM 308	CHEM 490