



Chemistry, ACS Track, B.S.

Core IMPACTS Curriculum	HRS	GR
Core IMPACTS Area I - Institutional Priorities	4-5	
1. Written and Oral Communication One of the following is required of all majors. Choose from the following: ART 2000, ANTH 110, COMM 1100, COMM 1110, ENGL 2000, ENGL 2050 (or) THEA 2050, PHIL 2020, or any international language 1001, 1002	3	
2. Other Institutional Options ANTH 1100, BUSA 1900, CS 1000, LIBR 2100, MUSC 1110, XIDS 2001, XIDS 2002	1-2	
Core IMPACTS Area M - Mathematics and Quantitative Skills	3	
Choose one of the following based on major: MATH 1113 or MATH 1634	3-4	
Core IMPACTS Area P - Political Science and U.S. History (Citizenship)	6	
1. American / United States History HIST 2111 or 2112	3	
2. American / Georgia Government POLS 1101	3	
Core IMPACTS Area A - Arts, Humanities & Ethics (Humanities)	6	
1. Fine Arts XIDS 2100, ART 1201, ART 2201, ART 2202, FILM 2080, MUSC 1100, MUSC 1120, THEA 1100	3	
2. Humanities XIDS 2100, COMM 1154, ENGL 2110, ENGL 2120, ENGL 2130, ENGL 2180, ENGL 2190, FREN 1001, GRMN 1001, SPAN 1001, FREN 1002, GRMN 1002, SPAN 1002, FREN 2001, GRMN 2001, SPAN 2001, FREN 2002, GRMN 2002, SPAN 2002, FORL 2200, FORL 2300, PHIL 2010, PHIL 2030	3	
Core IMPACTS Area C - Communicating in Writing	6	
ENGL 1101	3	
ENGL 1102	3	
Core IMPACTS Area T - Technology, Mathematics, and Sciences (STEM)	10-11	
1. Science Courses PHYS 1111(L), PHYS 1112(L), PHYS 2211(L), PHYS 2212(L)	7-8	
2. Mathematics, Science, and Quantitative Technology Courses MATH 1634 (1 hr moved to Core IMPACTS Field of Study unless completed in Core IMPACTS Area M)	3-4	
Core IMPACTS Area S - Social Sciences	6	
1. World History HIST 1111 or 1112	3	
2. Social Science Elective Courses ANTH 1004, ANTH 1102, CRIM 1100, ECON 2100, ECON 2105, ECON 2106, GEOG 1013, GEOG 2503, PHIL 2130, POLS 2201, PSYC 1101, SOCI 1101, SOCI 1160, XIDS 2300, XIDS 2301	3	
Field of Study	HRS	GR
MATH 2644 (Calculus II)	4	
CHEM 1211 (Principles of Chemistry I) with lab section	4	
CHEM 1212 (Principles of Chemistry II) with lab section	4	
CHEM 2411 (Organic Chemistry I) with lab section	4	
MATH credit from Core IMPACTS Area M and Core IMPACTS Area T	2	

Major Course Options	HRS	GR
Concentration	40	
CHEM 2130 (Sophomore Chemistry Seminar)	1	
CHEM 3422 (Organic Chemistry II)	3	
CHEM 3422L (Organic Chemistry II Laboratory)	1	
CHEM 3310K (Analytical Chemistry)	4	
CHEM 4330K (Instrumental Analysis)	4	
Choose 2: CHEM 3521, CHEM 3522, or CHEM 3523	6	
CHEM 3550L (Physical Chemistry Laboratory)	2	
CHEM 4913L (Advanced Synthesis Laboratory)	2	
CHEM 4610 (Inorganic Chemistry)	3	
CHEM 4083 (Faculty Directed Research) (4 semesters for a total of 4 credit hours)	4	
CHEM 4084 (Senior Seminar)	1	
CHEM 4711 (Biochemistry)	3	
CHEM electives (Choose 2): CHEM 4712, CHEM 3521, CHEM 3522, CHEM 3523, CHEM 4485, CHEM 4685, or CHEM 4985	6	
Courses from supporting disciplines	20	
Free Electives (3000 or above)	2-5	
Minor or Supporting classes (Advisor Approval)	15-18	
Total: 120 Hours	120	