The traditional sequence of courses for the Chemistry Major

First Year
Fall
CHEM1109 General Chemistry I
CHEM1111 General Chemistry Laboratory I
MATH1105 Calculus II
PHYS2200 Intro to Physics I
PHYS2050 Physics Laboratory I

Spring
CHEM1110 General Chemistry II
CHEM1112 General Chemistry Laboratory II
MATH2202 Multivariable Calculus (pre-requisites: MATH 1103 or 1105)
PHYS2201 Intro to Physics II
PHYS2051 Physics Laboratory II

Second Year
Fall
CHEM2231 Organic Chemistry I (pre-requisites: CHEM1109-1110)
CHEM2233 Organic Chemistry Laboratory I (pre-requisites: CHEM1111-1112)
CHEM3351 Analytical Chemistry (pre-requisites: CHEM1109-1110 or 1117-1118)
CHEM3353 Analytical Chemistry Laboratory

Spring
CHEM2232 Organic Chemistry II (pre-requisite: CHEM2231)
CHEM2234 Organic Chemistry Laboratory II
CHEM3322 Intro to Inorganic Chemistry (pre-requisites: CHEM1109-1110)
CHEM3324 Inorganic Chemistry Laboratory

Third Year
Fall
CHEM4475 Physical Chemistry I (pre- or co-requisites: MATH2202, PHYS2200-2201)

Spring
CHEM4476 Physical Chemistry II (pre- or co-requisites: MATH2202, PHYS2200-2201)
CHEM5552 Advanced Methods in Chemistry I (pre-requisites: CHEM3351, CHEM4475)
CHEM5554 Advanced Methods in Chemistry Laboratory I

Fourth Year
Fall
CHEM4465 Biochemistry (Chemistry Majors) (pre-requisites: CHEM2231-2232 or 2241-2242)
Chemistry Electives (recommended)

Spring
Chemistry Electives (recommended)