

The traditional sequence of courses for the Chemistry Major

First Year

Fall

CHEM1109 General Chemistry I
CHEM1111 General Chemistry Laboratory I
MATH1103 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 with Lab (*pre-requisites: CHEM1109-1110 or 1117-1118*)

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)