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)