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 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)*