

## Pre-Professional Health Sciences Program

### Chemistry Major

### Pre-Pharmacy

#### Science Course Requirements

CHEM 221	General Chemistry I	4 SH
CHEM 232	General Chemistry II	4 SH
CHEM 311	Organic Chemistry I	4 SH
CHEM 322	Organic Chemistry II	4 SH
CHEM 331	Analytical Chemistry	3 SH
*CHEM 401	Thermodynamics	3 SH
*CHEM 412	Quantum Mechanics	3 SH
CHEM/BIOCH 461	Biochemistry Seminar & Research	2 SH
BIOCH 371	Foundational Biochemistry	4 SH
BIOL 171	Concepts in Biology	4 SH
BIOL 222	Molecules, Genes & Cells	4 SH
PHYS 251	University Physics I	4 SH
PHYS 262	University Physics II	4 SH
MATH 151	Differential Calculus	3 SH
MATH 162	Integral Calculus	3 SH
MATH 242	Statistics for the Natural Sciences	<u>3 SH</u>
	Total	56 SH

#### Recommended Science & Additional Required Courses

*#LANG 332	Technical & Expository Writing	3 SH
#BIOL 201	Microbiology	4 SH
#BIOL 431	Mammalian Anatomy	4 SH
#BIOL 442	Mammalian Physiology	4 SH
*BIOCH 391	Advanced Cell Biology	3 SH
*BIOCH 432	Molecular Genetics	3 SH
BIOL 281	Animal Form & Function	4 SH
*BIOL 332	Immunology	4 SH

\*Alternate Year course

#Required by many Pharmacy Schools