

## Pre-Professional Health Sciences Program

### Biology Major

### Pre-Pharmacy

#### Science Course Requirements

BIOL 171	Concepts in Biology	4 SH
BIOL 222	Molecules, Genes, & Cells	4 SH
BIOL 232	Ecology: Adaptation & Environment	4 SH
BIOL 281	Animal Form & Function	4 SH
BIOCH 371	Foundational Biochemistry	4 SH
BIOL 431	Mammalian Anatomy	4 SH
BIOL 442	Mammalian Physiology	4 SH
Research Requirement		2 SH
Botany Requirement		4 SH
BIOL 482	Faith, Science & Ethics	2 SH
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
PHYS 251	University Physics I	4 SH
MATH 131	Elements of Calculus	<u>3 SH</u>
Total		63 SH

#### Recommended Science & Additional Course Requirements

#PHYS 262	University Physics II	4 SH
#BIOL 201	Microbiology	4 SH
#MATH 242	Statistics for the Natural Sciences	3 SH
*#LANG 332	Technical & Expository Writing	3 SH
*CHEM 331	Analytical Chemistry	4 SH
*BIOL 332	Immunology	3 SH
*BIOCH 391	Advanced Cell Biology	3 SH
*BIOCH 432	Molecular Genetics	3 SH
*BIOL 301	Developmental Biology	4 SH
PSYC 101/2	General Psychology	3 SH
*PSYC 421	Neuroscience	3 SH

\*Alternate Year course

#Required by many Pharmacy Schools