Sample Sequence of Core Courses for All Disciplines
The pre-health certificate requires the following core courses (49 credits in total):

Program Curriculum Plan - Enter Fall Semester

Fall semester 1:
- BIO 105 - General Biology: Physiology and Cell Biology (4 credits)
- CHEM 113.4 - General Chemistry I (4 credits)
- CHEM 113.1 - Introduction to Chemical Techniques (1 credit)
- MATH 141 - Calculus/Differentiation (3 credits)

Spring semester 1:
- BIO 106 - General Biology: Life-forms and Ecosystems (4 credits)
- CHEM 114.4 - General Chemistry II (4 credits)
- CHEM 114.1 - Quantitative and Qualitative Analysis (1 credit)
- PSYCH 107 or SOC 205 - Social Statistics (4 credits)

Summer semester 1:
- CHEM 251.4 - Organic Chemistry I (4 credits)
- CHEM 251.1 - Organic Chemistry Laboratory I (1 credit)

Fall semester 2:
- CHEM 252.4 - Organic Chemistry II (4 credits)
- CHEM 252.1 - Organic Chemistry Laboratory II (1 credit)
- PHYS 121.4 - General Physics I (4 credits)
- PHYS 121.1 - General Physics Laboratory I (1 credit)

Spring semester 2:
- CHEM 371 - Biochemistry I (4 credits)
- PHYS 122.4 - General Physics II (4 credits)
- PHYS 122.1 - General Physics Laboratory II (1 credit)

Program Curriculum Plan - Enter Spring Semester

Spring semester 1:
- BIO 105 - General Biology: Physiology and Cell Biology (4 credits)
- CHEM 113.4 - General Chemistry I (4 credits)
- CHEM 113.1 - Introduction to Chemical Techniques (1 credit)
- MATH 141 - Calculus/Differentiation (3 credits)

Summer semester 1:
- CHEM 251.4 - Organic Chemistry I (4 credits)
- CHEM 251.1 - Organic Chemistry Laboratory I (1 credit)

Fall semester 1:
- BIO 106 - General Biology: Life-forms and Ecosystems (4 credits)
- CHEM 251.4 - Organic Chemistry I (4 credits)
- CHEM 251.1 - Organic Chemistry Laboratory I (1 credit)
- PSYCH 107 or SOC 205 - Social Statistics (4 credits)

Spring semester 2:
- CHEM 252.4 - Organic Chemistry II (4 credits)
- CHEM 252.1 - Organic Chemistry Laboratory II (1 credit)
- PHYS 121.4 - General Physics I (4 credits)
- PHYS 121.1 - General Physics Laboratory I (1 credit)

Summer semester 2:
- PHYS 122.4 - General Physics II (4 credits)
- PHYS 122.1 - General Physics Laboratory II (1 credit)

Fall semester 2:
- CHEM 371 - Biochemistry I (4 credits)

The required course work is generally completed within a two-year period.