ABOUT THIS PROGRAM
The focus of the biology department is to introduce students to the structural and functional complexity of living organisms and ecological systems. It seeks to bring a Reformed Christian perspective to its science in terms of the ultimate meaning of the biological world and the nature of science. This serves as a basis for addressing ethical issues intrinsic to modern biology, relating these ideas to perspectives that students develop in Foundations courses.

The Bachelor of Science in bioinformatics is a multidisciplinary major with coursework in biology, chemistry, math, and computer science. This major is designed for students interested in careers that analyze large amounts of biological data and develop tools for that analysis.

FOUNDATIONS COURSEWORK
- First Year Experience
  - FYF 101/111
- Theology
  - THEO 121
  - THEO 122
- Philosophy
  - PHIL 101
  - PHIL 102/110/111/HON 108
- History
  - HIST 103
  - HIST 104
- English
  - ENGL 103/HON 103
  - ENGL 104
- Social Sciences
  - One from ECON 121, PLSC 121, PSYCH 121, PSYC 123, SOC 121
- Fine Arts
  - One from 9 options
- Physical Wellness
  - PE 110/112
- Cross Cultural Studies
  - Two from 20 options

PROGRAM COURSEWORK
- Major Requirements
  - BIOL 110 Introduction to Biology
  - BIOL 303 Genetics
  - BIOL 306 Cell and Molecular Biology
  - BIOL 316 Advanced Molecular Biology
  - BIOL 393 Science Seminar
  - BIOL 400 Field Education
  - CHEM 101 General Chemistry (or CHEM 103/104)
  - CHEM 102 Principles of Organic and Biochemistry (or CHEM 205/206)
  - CHEM 303 Biochemistry I
  - CHEM 304 Biochemistry II
  - CPSC 111 Elements of Programming I
  - CPSC 112 Elements of Programming II
  - CPSC 202 Data Structures and Algorithms
  - CPSC 231 Database Systems
  - CPSC 312 Algorithms and Complexity Theory
  - CPSC 313 Computational Biology (BIOL 301)
  - MATH 111 Analytic Geometry and Calculus I
  - MATH 112 Analytic Geometry and Calculus II
  - MATH 151 Statistics
  - MATH 210 Discrete Structures
  - MATH 211 Analytic Geometry and Calculus III

This plan includes Foundation and Major coursework. Additional elective credits may be needed to reach the required 120 credit hours to earn degree.

6/7/2018