Program: Mathematics Education
Degree: Bachelor of Arts

ABOUT THIS PROGRAM
Mathematics is a powerful tool for solving practical problems, as well as a highly creative field of study, combining logic and precision with intuition and imagination. A major goal of mathematics is to reveal and explain patterns, whether the patterns appear in the arrangement of swirls on a pinecone, fluctuations in the value of currency, or as the detail in an abstract geometric figure.

As Reformed Christians, we believe that God has created, redeemed, and still sustains every aspect of the world around us. It is our task to appreciate the beauty and well-orderedness of his creation and to use our God-given abilities to subdue it and to use it for his purposes. Thus, the aim of the mathematics department is to use analytical thinking to help prepare students to be Christians who are qualified and professional in their chosen vocations. This is accomplished in three ways: we work to develop students who are proficient in mathematics, to educate students for a life of Christian service, and to develop in the students good work habits.

FOUNDATIONS COURSEWORK
- First Year Experience
  o FYF 101/111
- Theology
  o THEO 121
  o THEO 122
- Philosophy
  o PHIL 101
  o PHIL 102/110/111/HON 108
- History
  o HIST 103
  o HIST 104
- English
  o ENGL 103/HON 103
  o ENGL 104
- Natural Science
  o Biology - laboratory based biology course
  o Physical - laboratory based chemistry/physics course
- Fine Arts
  o One from 9 options
- Physical Wellness:
  o One from: PE 110, 112
- Cross Cultural Studies
  o Two from 20 options

PROGRAM COURSEWORK
- Major Requirements
  o MATH 111 Analytic Geometry and Calculus I
  o MATH 112 Analytic Geometry and Calculus II
  o MATH 210 Discrete Structures
  o MATH 211 Analytic Geometry and Calculus III
  o MATH 301 Linear Algebra
  o MATH 302 Abstract Algebra
  o MATH 321 Geometry
  o MATH 331 Probability and Statistics
  o MATH 380 Secondary Mathematics Methods
  o MATH 401 Senior Seminar
  o One mathematics electives at the 200-level or higher
- Required Cognates
  o COMM 101 Fundamentals of Public Speaking
  o CPSC 111 Elements of Programming I
  o PSYC 123 Life Span Development
- Education Minor
  o EDUC 203 Introduction to Education
  o EDUC 209 Technology in Education
  o EDUC 303 Educational Psychology
  o EDUC 311 Literacy in the Disciplines
  o EDUC 312 Middle Grades Literacy
  o EDUC 335 Teaching in Middle Grades
  o EDUC 380 Methods for General Educators
  o EDUC 454 Student Teaching Seminar: Contemporary Issues
  o Student Teaching – EDUC 450, 455, 459
  o SPED 216 Introduction to Exceptional Children

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

7/30/2018