University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 96-97.
• Courses from the major may apply to the areas marked in the University Core.

• Written and Oral Communication ........................................... 9
• Quantitative Reasoning/Scientific Method ................................. 10-11
  • Math .......................................................... 3
  • Life Science ............................................... 4
  • Physical Science .................................................. 3-4

Critical Inquiry and Aesthetic Analysis ...................................... 6
• Aesthetic Analysis .......................................................... 3
• Critical Inquiry .......................................................... 3

Minimum Required Hours

Support and Prerequisite Courses

Support Courses ................................................................. 9
MCOM  1113  Fundamentals of Speech
ENG 1113  English Composition
ENG 1213  English Composition and Research

Prerequisite Courses ..........................................................0-6
MATH  1533  Algebra for STEM OR Placement Score AND
MATH 1593  Plane Trigonometry OR Placement Score

Major Requirements

Mathematics Education ..................................................41-42

Required courses .......................................................... 36
MATH 2313  Calculus 1
MATH 2323  Calculus 2
MATH 2333  Calculus 3
MATH 2343  Calculus 4
MATH 2743  Technology and Mathematics Education
MATH 3113  Foundations of Advanced Mathematics
MATH 3123  College Geometry
MATH 3143  Linear Algebra
MATH 3163  Elementary Number Theory
MATH 3183  Introduction to Modern Algebra
MATH 4483  History of Mathematics
STAT  2113  Statistical Methods

Mathematics Electives .................................................. 5-6
Select at least two of the following:
MATH 2023  Foundations of Geometry and Measurement
MATH 3103  Differential Equations
MATH 4143  Introduction to Analysis 1
MATH 4960  Institute in Mathematics (2 hours)
STAT  4113  Mathematical Statistics 1

Professional Education ..................................................32
PTE 1010  Introduction to Teacher Education
PTE 3023  Foundations of American Education/Clinical Exp
PTE 3153  Adolescent Psychology

American Historical and Political Analysis ................................. 6
American National Government ......................................... 3
American History ......................................................... 3

Cultural and Language Analysis ...........................................3-4
Second Language ......................................................... 4
OR
Cultural Analysis .......................................................... 3

Social and Behavioral Analysis ............................................ 3

Life Skills ................................................................. 5
• Elective Life Skills .................................................. 3

Minimum Graduation Requirements

1. Overall GPA in all college course work .............................. 2.75
2. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)... “C”
3. Proficiency in foreign language ................................. Novice 4 level

Electives to bring total to .............................................. 124

It is strongly recommended that students complete a two-semester sequence in physics (PHY 1114/1214 - General Physics I/II and laboratory) or computer science (CMSC 1613/2613 - Programming I/II). Students planning to do graduate work should take MATH 4143, Introduction to Analysis 1.

For other regulations pertaining to graduation, see pages 67-68 of the 2017-2018 catalog.