### General Education Requirements (37-43cr)

#### ACADEMIC FOUNDATIONS

- Math/Statistics/Logic (3-4cr):
  - MATH 221 Analytic Geometry-Calculus I (4cr)
- Speaking (3cr):
  - COMM 105 / COMM 106 / COMM 263
- Writing (6cr):
  - First Course (3cr): ENGL 110 / ENGL 111
  - Second Course (3cr): ENGL 112 / ENGL 222

#### BREADTH OF KNOWLEDGE

- Arts & Humanities (9cr)
  - Arts (3cr):
  - Humanities (3cr):
  - Arts or Humanities (3cr):
- Social Sciences (6cr)
  - (See GE course list):
  - (See GE course list):
- Natural Sciences (7cr)
  - with lab (4cr):
  - without lab (3cr):

#### INTEGRATED AND APPLIED LEARNING

- Complex Issues Facing Society (CI)
  - EDCI 223 Urban Youth Mentoring* (3cr)

#### DIVERSITY COURSES

- Domestic Diversity (DD)
  - (See GE course list):
- Global Diversity (GD)
  - (See GE course list):
  - See uakron.edu/general-education for course list

### Major Requirements

#### Professional Education Core (27cr)

- EDSE 100 Orientation for AYA (0cr)
- EDFN 200 Intro to Education (3cr)
- EDFN 220 Educational Psychology (3cr)
- EDIS 225 Introduction to Exceptionalities (3cr)
- EDCI 308 Instructional Design/Assessment (6cr)
- EDCI 440 Literacy in the Content Areas (3cr)
- EDSM 320 Introduction to Teaching in the Content Areas (3cr)
- EDSM 420 Instructional Techniques in 2nd Ed (3cr)
- EDSM 430 Clinical Teaching (3cr)

### AYA Integrated Mathematics (Grades 7 -12) (530702BA)

### Major Requirements Continued

#### Student Teaching (12cr)

- EDSE 421 Instructional Techniques II: Secondary Ed (3cr)
- EDSE 431 Clinical Teaching II (3cr)
- EDSE 495 Student Teaching (6cr)

#### Content Area Requirements

Students are required to select ONE area. Either STEM or Theoretical

#### STEM (41cr):

- MATH 208 Introduction to Discrete Mathematics (4cr)
- MATH 221 Analytic Geometry-Calculus I (4cr)
- MATH 222 Analytic Geometry-Calculus II (4cr)
- MATH 223 Analytic Geometry-Calculus III (4cr)
- MATH 312 Linear Algebra (3cr)
- MATH 401 History of Mathematics (3cr)
- MATH 441 Concepts in Geometry (4cr)
- CPSC 200 Programming for Data Science (4cr)
- STAT 461 Applied Statistics (4cr)
- PHYS 291 Elementary Classical Physics I (4cr)
- EDCI 439 Engineering for Educators (3cr)

#### THEORETICAL (39cr):

- MATH 221 Analytic Geometry-Calculus I (4cr)
- MATH 222 Analytic Geometry-Calculus II (4cr)
- MATH 223 Analytic Geometry-Calculus III (4cr)
- MATH 307 Fundamentals of Advanced Math (FOAM) (3cr)
- MATH 312 Linear Algebra (3cr)
- MATH 401 History of Mathematics (3cr)
- MATH 411 Abstract Algebra I (3cr)
- MATH 441 Concepts in Geometry (4cr)
- CPSC 209 Intro to Computer Science (4cr)
- STAT 461 Applied Statistics (4cr)
- MATH 335 Intro. to Ordinary Differential Equations (3cr) OR
- MATH 412 Abstract Algebra II (3cr) OR
- MATH 421 Advanced Calculus I (3cr)

### For more information:

School of Education
Zook Hall | (330) 972-7880
www.uakron.edu/education

120 Credit Minimum
Cumulative and Major GPAs of 2.5 or greater required