

Master Apprenticeship Program

Undergraduate Prerequisite Coursework

General Education Core Courses below are required of all licensure areas

Primary Education or Special Education

Literature (3 credits)

English Composition (3 credits)

Aesthetics (3 credits)

Elective (3 credits)

Biology or Physical Science with lab (3–4 credits)

History (3 credits)

Social Science Elective (3 credits)

Social Science Elective (3 credits)

Social Science Elective (3 credits)

College-level Math (3 credits)

Middle Childhood Education

General education courses listed above plus two of the following content areas

Language Arts

Writing (3 credits)

Journalism (3 credits)

Study of English Language (3 credits)

American Literature (3 credits)

British Literature (3 credits)

English Elective (3 credits)

English Elective (3 credits)

Theater (3 credits)

Two from the following

Mythology (3 credits)

Continental Literature (3 credits)

Asian Literature (3 credits)

African American Literature (3 credits)

Women's Literature (3 credits)

Social Studies

Western Culture (3 credits)

World Civilization (3 credits)

U.S. History (3 credits)

Ohio History/Government (3 credits)

Political Science (3 credits)

Economics (3 credits)

Sociology (3 credits)

Geography (3 credits)

Three Social Studies Electives (3 credits each)

Mathematics

Applied Mathematics (3 credits)

History of Mathematics (3 credits)

Statistics (3 credits)

Number Theory (3 credits)

Modern Algebra (3 credits)

Higher Geometry (3 credits)

Calculus & Analytic Geometry I (3 credits)

Foundations of Middle School Math (3 credits)

Two 300 or 400 level Math Electives (3 credits each)

Science

General Biology and Lab (4 credits)

Human Environment & Lab (4 credits)

General Chemistry & Lab (4 credits)

General Physics & Lab (4 credits)

Earth Science (4 credits)

Integrated Science (4 credits)

Two Science Elective (4 credits each)

Adolescent to Young Adult Education

General education courses listed above plus one of the following content areas

Language Arts

Expository Writing (3 credits)

Creative Writing (3 credits)

Study of English Language (3 credits)

American Literature I (3 credits)

American Literature II (3 credits)

Adolescent Literature (3 credits)

Journalism (3 credits)

British Literature I (3 credits)

British Literature II (3 credits)

Shakespeare (3 credits)

Choose 2 of the following

Asian Literature (3 credits)

Major Authors of African Literature (3 credits)

Latin American Literature (3 credits)

Women's Authors (3 credits)

English Elective (3 credits)

Choose 1 of the following

Theater (3 credits)

Speech / Communications (3 credits)

Media Literacy (3 credits)

Social Studies

Western Culture (3 credits)

Culture (3 credits)

World Civilization (3 credits)

U.S. History (3 credits)

Ohio History or Government (3 credits)

Two History Electives

Social Problems (3 credits)

Cultural Anthropology (3 credits)

Minority Studies (3 credits)

Political Science / Government (3 credits)

Macroeconomics (3 credits)

Microeconomics (3 credits)

World Geography (3 credits)

Three Social Studies Elective (3 credits each)

Mathematics

Introduction to Statistics (3 credits)

History of Mathematics (3 credits)

Foundations of Middle School Math (3 credits)

Modern Algebra (3 credits)

Linear Algebra & Matrix Theory (3 credits)

Elements of Number Theory (3 credits)

Higher Geometry (3 credits)

Calculus & Analytic Geometry I (3 credits)

Calculus & Analytic Geometry II (3 credits)

Calculus & Analytic Geometry III (3 credits)
Math Elective (3 credits)

Life Science

General Biology (4 credits)
General Botany (4 credits)
Animal Biology (4 credits)
Ecology (4 credits)
Cell Biology (4 credits)
Genetics (4 credits)
Life Science Seminar – Topical (3 credits)
Experimental Project (3 credits)
Life Science Elective (3–4 credits)
Principles of Chemistry I (3 credits)
Principles of Chemistry II (3 credits)
Integrated Earth Science (4 credits)
Optional Electives (Optional)
 Organic Chemistry I (4 credits)
 Organic Chemistry II (4 credits)
 Biochemistry (4 credits)
 Analytical Chemistry (4 credits)
 General Physics I (4 credits)
 General Physics II (4 credits)

At least 6 hours of Mathematics are required

College Algebra (3 credits)
Calculus & Analytical Geometry I (4 credits)
Calculus & Analytical Geometry II (4 credits)
Calculus & Analytical Geometry III (4 credits)
Introduction to Statistics (3 credits)

Multi-Aged Visual Arts

Design Foundations I (3 credits)
Design Foundations II (3 credits)
Drawing I (3 credits)
Painting I (3 credits)
Intro to Graphic Design (3 credits)
Intro to Ceramics or Sculpture (3 credits)
Metalcraft (3 credits)
Intro to Printmaking (3 credits)
Professional Practice (3 credits)
Art Advocacy (3 credits)
Choose three of the following
 Survey of Ancient World Art (3 credits)
 Survey of Western Art (3 credits)
 Survey of Art History III (3 credits)
 Modern Art (3 credits)
 Survey of Non-Western Art (3 credits)