Recommended W&M Content Courses for Elementary Education Majors

In addition to other program requirements, candidates seeking an endorsement in Elementary Education PK-6 must complete six semester hours in each of the following disciplines:

- English
- Mathematics
- Science – Courses should be in the laboratory science areas of Earth science, biology, chemistry, and physics. The required six semester hours must come from two different science disciplines.
- History and social sciences – Courses should be in the areas of history, geography, civics or government, or economics.

Recommendations for W&M Courses in each Discipline

While there are other courses that can satisfy requirements, this list includes our recommendations for undergraduate courses at William & Mary. If a course satisfies a COLL requirement, this is noted next to the course.

MATHEMATICS

Most courses with the MATH prefix will satisfy this requirement.

- PSYC 301 - Elementary Statistics
- MATH 103 - Pre-calculus Mathematics
- MATH 104 - The Mathematics of Powered Flight (COLL 200)
- MATH 106 - Elementary Probability and Statistics
- MATH 108 - Brief Calculus with Applications
- MATH 110 - Topics in Mathematics
- MATH 111 - Calculus I
- MATH 210 - Linearity
- MATH 211 - Linear Algebra

ENGLISH

Most courses with the ENGL or LING prefix will satisfy this requirement. Only one course in public speaking can count towards this requirement. It is highly recommended that candidates take courses in two different areas (e.g., linguistics and literature, writing and linguistics).

- LING 220 - Study of Language (COLL 200)
- LING 230 - Topics in Linguistics
- LING 250 - African-American English (COLL 200)
- LING 260 - Speech Sound Analysis (COLL 200)
- ENGL 210 - Topics in Literature
ENGL 211 - Literature Transformed  
ENGL 215 - Popular Genres  
ENGL 250 - Interpreting Literature  
WRIT 101 or 101A - Writing  
WRIT 301 - Crafting the Essay  
CRWR 212 - Introduction to Creative Writing  
SPCH 102 - Fundamentals of Oral Communication  
SPCH 201 or 201A - Public Speaking  
SPCH 205 - Oral Interpretation of Literature

SCIENCE
The required six semester hours must come from two different laboratory science disciplines.

Biology:
- BIOL 203/203L - Introduction to Molecules, Cells, Development with Lab (COLL 200)  
- BIOL 204/204L - Introduction to Organisms, Ecology, Evolution with Lab (COLL 200)  
- KINE 200 - Introduction to the Human Body (COLL 200)

Chemistry:
- CHEM 101 - Chemistry, Energy, & Environment (COLL 200)  
- CHEM 201 - Color, Light, and Chemistry (COLL 200)

Earth Science:
- GEOL 101 - The Dynamic Earth: Physical Geology (COLL 200)  
- GEOL 110 - Earth’s Environmental Systems: Physical Geography (COLL 200)  
- GEOL 203 - Age of Dinosaurs (COLL 200)  
- GEOL 207 - Planetary Geology  
- GEOL 212 - Global Climate Change (COLL 200)  
- GEOL 250 - Geologic Evolution of Virginia  
- ENSP 101 - Introduction to Environmental Science and Policy  
- ENSP 201 - Watershed Dynamics

Physics:
- PHYS 101 - General Physics I with PHYS 101L Lab  
- PHYS 121 - Physics of Music (COLL 200)  
- PHYS 171 - Planetary and Stellar Astronomy (COLL 200)  
- PHYS 172 - Stellar and Galactic Astronomy and Cosmology (COLL 200)  
- PHYS 201 - Modern Physics (COLL 200)  
- PHYS 213 - Introduction to Modern Optics (COLL 200)

HISTORY AND SOCIAL SCIENCES
Courses should be in the areas of history, geography, civics or government, or economics.

HIST – While many courses with the HIST prefix will satisfy this requirement, it is recommended that candidates focus on the contributions of ancient civilizations to modern institutions, Virginia history, and US history, which are currently taught in Virginia schools (e.g., HIST 121, HIST 122, HIST 214).
- GOVT 381 - Human Geography
- GOVT 384 - The Geography of Latin America and the Caribbean
GOVT 386 - The Geography of Europe
GOVT 201 - Introduction to American Government and Politics
GOVT 202 - Introduction to Political Theory
GOVT 203 - Introduction to Comparative Politics
GOVT 204 - Introduction to International Politics
ECON 101 - Principles of Microeconomics
ECON 102 - Principles of Macroeconomics