

Master of Science in Education Elementary Education with a Concentration in Mathematics Specialist PK-8 (MSEd)

General Description of Elementary Education

Elementary programs include the Master of Science in Education degree program and four post-baccalaureate licensure programs. Within the Master of Science in elementary education degree program there are a number of concentrations and emphasis area choices for both licensed teachers as well as those seeking initial licensure or endorsement. For those seeking initial licensure there are the following concentration areas: PreK-6, middle school 6-8, and library science K-12 (Note: the library science concentration may also be done through Master of Science in Education, Secondary Education). For licensed teachers seeking additional education there are the following concentration areas: math specialist PK-8, library science K-12 (Note: the library science concentration may also be done through Master of Science in Education, Secondary Education), and elementary generalist. Post-baccalaureate endorsement programs are designed for individuals with a non-teaching BS or BA degree who want to obtain licensure or for those with a teaching license who want to be licensed in an additional teaching area. The four endorsement programs offered in elementary education are PreK-6, Middle School 6-8, Library Science K-12, and Mathematics Specialist PreK-8.

Master of Science in Education - Elementary Education - with Mathematics Education Specialist Endorsement (PK-8)

3101 Education Building
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Melva Grant, Program Director

This graduate program leads to a Master's of Science in Education degree. Elementary major, with the Mathematics Specialist (PK-8) endorsement. This program is offered in partnership with the Department of Mathematics and Statistics in the College of Sciences. *The MSEd - Elementary, Mathematics Specialist (PK-8) endorsement is offered online only.*

Admission

Candidates must:

- Have 3 years of successful classroom experience in teaching mathematics;
- Hold a bachelor's degree from a regionally accredited college/university;
- Hold the Virginia Collegiate Professional License or an equivalent license from another state.
- Have an undergraduate grade point average of 2.80 and an average of 3.00 in the major;
- Achieve a satisfactory score (as established by the Department of Educational Curriculum and Instruction) on the Graduate Record Examination or the Miller Analogies Test; and
- Submit an application for graduate studies.

Performance in classes taken as a non-degree student will not be taken into consideration in the admission process. Under certain circumstances, applicants who do not fully meet the requirements for regular admission to

the program may be admitted on a provisional basis subject to conditions specified by the graduate director for the program.

Curriculum

A minimum of 33 semester credits are required. The courses for completion of the degree program are listed below

Education Content

TLED 650	Mathematics Specialists as Teacher Leaders	3
TLED 651	Teaching Mathematics for All Using Culturally Responsive Approaches	3
TLED 653	Participatory Action Research for Mathematics Specialists	3
TLED 654	Practicum for Mathematics Specialists	3
TLED 658	Mathematical Assessment for Data Driven Decisions	3

Mathematics Content

MAPD 601	Number and Operations for PK-8 Mathematics Specialists	3
MAPD 602	Geometry and Measurement for PK-8 Mathematics Specialists	3
MAPD 603	Rational Numbers and Proportional Reasoning for PK-8 Mathematics Specialists	3
MAPD 604	Probability and Statistics for PK-8 Mathematics Specialists	3
MAPD 605	Algebra and Functions for PK-8 Mathematics Specialists	3

Total Credit Hours **30**

Additional Requirements

Continuance

Candidates must maintain a grade point average of 3.00.

Exit

Candidates must:

- Have a 3.00 grade point average;
- Have completed all course requirements;
- Have completed a professional learning portfolio; and
- Submit an application for graduation.