MATHEMATICS FOR EDUCATORS (MAED)

Courses

**MAED 230. Alg/Geom for Teachers III. 3 Credits.**
Exponents, compound interest, exponential functions, logarithms, the base e, growth and decay, research in mathematics education and K-8 curriculum projects. Prerequisites: MAED 215.

**MAED 240. Calculus for Teachers II. 3 Credits.**
Continued study of calculus and its relationship to the K-8 curriculum. Topics include infinite series, calculating area, the definite integral, Fundamental Theorem of Calculus. Prerequisite: MAED 235.

**MAED 305. Statistics & Research II. 3 Credits.**
Error bars in graphs, margins of error in surveys, and confidence intervals; interpret and critique educational research studies; analysis of school assessment data activities. Prerequisite: MAED 300.

**MAED 315. Capstone VMI Experience. 3 Credits.**
This course concludes the VMI's school-based-research component. Teachers synthesize their coursework and field experiences and revisit key mathematical concepts from arithmetic through calculus. Prerequisite: 30 hours MAED courses.

**MAED 396. Advanced Special Topics. 1-18 Credits.**
See Schedule of Courses for specific titles.