

6A-4.0166 Specialization Requirements for the Mathematics Endorsement (K-12)

In order to be eligible for the Mathematics Endorsement (K-12), an educator must obtain a bachelor's or higher degree with certification in an academic, STEM, degreed vocational, administrative, or specialty class coverage; and complete:

(1) Fifteen (15) semester hours in mathematics coursework aligned to evidence-based mathematics instructional and intervention strategies addressing both the development of conceptual understanding and the prevention and remediation of mathematics learning difficulties. Coursework must include the areas specified below:

(a) Six (6) semester hours in understanding mathematics as a process of reasoning, problem solving, and conceptual understanding, including the development of student proficiency in numbers and operations, fractions and proportional reasoning, measurement, geometric reasoning, data analysis and probability, and algebraic reasoning;

(b) Three (3) semester hours in the administration and interpretation of instructional assessments to include screening, diagnosis, and progress monitoring with purposes of prevention, identification, and remediation of mathematics difficulties;

(c) Three (3) semester hours in understanding how to prescribe, differentiate instruction, and utilize appropriate strategies and materials based upon evidence-based mathematics research in order to address the prevention, identification, and remediation of mathematics difficulties in order to increase mathematics performance; and

(d) Three (3) semester hours in a supervised practicum to obtain practical experience in increasing the mathematics performance of student(s) with the prescription and use of appropriate strategies and materials based upon evidence-based mathematics research to address the prevention, identification, and remediation of mathematics difficulties.

(2) Upon successful completion of the specialization requirements outlined in subsection (1) of this rule, an individual must submit an application per Rule 6A-4.0012, F.A.C., to the Department of Education Bureau of Educator Certification to add the Mathematics Endorsement (K-12) to a valid professional certificate.

Rulemaking Authority 1001.02, 1012.55, 1012.56 FS. Law Implemented 1001.02, 1012.54, 1012.55, 1012.56 FS. History--New