

CLAYTON STATE UNIVERSITY
Professional Qualification Statement for Degree/Concentration/Certificate

Date:	11/09/2009
College/School/Department:	College of Information and Mathematical Sciences
Degree/Concentration/Certificate:	Degrees: Bachelor of Science in Mathematics Master of Arts in Mathematics Teaching
Coordinator:	Dr. Nathan Borchelt
Coordinator Responsibilities:	Work with faculty to propose new courses and coordinate curriculum changes for submission to the Associate Dean. Coordinate proposed schedule of course offerings and staffing for graduate and undergraduate mathematics courses. Coordinate with the Department of Teacher Education on issues related to mathematics educator preparation. Recruit students into undergraduate and graduate mathematics and mathematics education programs.
Degrees:	PhD, Teaching and Learning (concentration in Mathematics Education) MST, Master of Science in Teaching Mathematics BS, Mathematics and Computer Science
Experience:	15 years of college and university teaching; service on department, college, university and system level curriculum committees; writing proposals for new courses and evaluating curricula in Mathematics and Mathematics Education; developing new programs in mathematics teacher preparation; student advisement; recruiting students for the undergraduate and graduate programs.
Certifications:	
Courses taught at CSU:	Calculus I, Calculus II, College Algebra, Computer Science I Computer Science II, Concepts of Discrete Mathematics, Finite Mathematics, Introduction to Mathematical Modeling, Pre-Calculus Modern Methods of Mathematics Teaching, Modern Geometry, Survey of Calculus, Trigonometry & Analytic Geometry, University Foundations

Narrative Statement of Qualifications (to be completed by chair or dean):

1. What evidence exists that the coordinator has the qualifications and credentials for leadership in the development and review of the curriculum?

The coordinator has Ph.D. and MST degrees (with more than 18 semester credit hours of graduate coursework in both Mathematics and Mathematics Education) along with 15 years of experience teaching mathematics and mathematics education at the college and university level. He has extensive experience in the development of new programs and service on department, college, and university curriculum and assessment committees. He has participated in Mathematics program assessment workshops (Mathematical Association of America) and developed the assessment plan for the department.

2. What evidence exists that the coordinator provides oversight for assessing the quality of the curriculum for the program and for ensuring that the curriculum and its delivery are educationally sound?

The coordinator is responsible for the Mathematics Assessment Review and review of the mathematics education teacher certification program (by the Professional Standards Commission and NCATE). He has collected work samples, syllabi, and student learning outcomes for each of the undergraduate mathematics courses leading to the Mathematics major. He coordinates with the Department of Teacher Education and the Professional Education Program Committee on issues related to the mathematics teacher preparation programs.