

**NCATE
Compliance with Specialty Outcomes**

Professional Organization: National Council of Teachers of Mathematics

Institution Submitting Program: Virginia Polytechnic Institute and State University (VA)

Program: Grades 7-12

Degree Level(s): Baccalaureate, Post-Baccalaureate, and Masters

Date of Review: May 24, 2002

OUTCOMES PARTIALLY MET OR NOT MET: Grades 7-12 All Degree Levels

All outcomes are addressed.

PERCEIVED PROGRAM STRENGTHS: This appears to be a well-blended quality program of three degrees, which has produced more than 60 classroom teachers over the past three years.

The inclusion of two required geometry courses is a unique requirement and a strength of this program.

The mathematics tutoring course is one we have never seen required. This is a strength of the program requirements.

The Introduction to Proofs course is one rarely seen, but so important to the mathematical development of majors.

The Secondary School Mathematics with Technology is a requirement not often seen. This is an offering that reflects the state the use of technology in Virginia's secondary schools.

PERCEIVED PROGRAM WEAKNESSES: The reviewers saw no apparent weaknesses.

OTHER COMMENTS: With few exceptions, the submitted *mathematics* syllabi were little more than a listing of course topics and corresponding percentages. There were no details on course expectations, textbooks, assessments, etc. that would provide the reviewers a better insight to course expectations. Although course descriptions were included in a separate appendix, there was not enough information provided for some mathematics topics.

PROFESSIONAL ASSOCIATION'S RECOMMENDATION REGARDING COMPLIANCE OR NONCOMPLIANCE WITH THE SPECIALTY OUTCOMES (i.e., has the institution adequately met the specialty outcomes?):

Program(s) in Compliance: The grades 7-12 baccalaureate, post-baccalaureate, and masters programs at Virginia Polytechnic University are in compliance with the National Council of Teachers of Mathematics-NCATE outcomes.

Programs(s) NOT in Compliance:

Additional Information Needed:

If a second review of the program folio is requested by the institution, how many copies of the rejoinder should be submitted? Two copies are needed by NCTM.

Special directions for the preparation of a rejoinder: No rejoinder is required since all of the above mentioned programs were found to be in compliance with NCTM-NCATE outcomes.