

**APSU Teacher Unit  
Annual Program Review (APR) Report  
2013 – 2014**

**Mathematics 7-12**

**I. Name of Program: Mathematics 7-12**

**II. Provide list of Reviewers: Jackie Vogel, Ann Assad, Andy Wilson, Jennifer Yantz, Audrey Bullock, Amber Sullivan, and Sam Jator**

**III. Program Description:**

Undergraduate students in the mathematics licensure program take a Mathematics Major that includes two courses that integrate content and pedagogy and require field placement. They also take all but one course in the Education Minor. The course omitted from the minor is EDUC 4030, educational technology. The reasoning behind this omission is that students are required to take a course in computer programming that supports the major, that technology specific to mathematics is required throughout their program, and that the Tennessee Board of Regents caps the number of hours required for a degree.

**IV. Changes in Program**

No changes were made to the program in 2013-14 academic year due to preparing for NCATE.

**V. Program Strengths**

A strength of the program, according to the Data Retreat information booklet, is that 100% passed their content Praxis exam on the first attempt. Another strength is that 100% of the secondary mathematics candidates passed their edTPA, with many scores statistically significant above the mean.

Another strength, as noted in the Academic Audit, is the collaborative nature of the mathematics education faculty within the department, across the university, and on a state and national level.

**VI. Program Weaknesses**

A weakness from the Academic Audit was noted in calculus. As a result, the department has implemented a calculus review in the sophomore year.

## **VII. Assessment of Candidates**

**Praxis Test Results:** All students passed on their first attempt in 2013-14 according to the Data Retreat Booklet.

**State Report Card Data:** This is not data directly related to our program, but this data needs to be highlighted somewhere in the annual reports. The data booklet noted that 2 K-6 prepared candidates were Teaching Algebra I, 1 SPED prepared candidate was teaching 8<sup>th</sup> grade math, 2 History prepared students were teaching Algebra I and 7<sup>th</sup> grade math, and 1 MAT SPED prepared candidate was teaching 6<sup>th</sup> grade math. This is in line with previous data that reports approximately half of all math classes in TN are being taught by someone who did not complete a secondary mathematics preparation.

**Actions With Respect To State Report Card Data:** This data should continue to be monitored.

## **IX. Assessment of Program Operations**

Majors selecting the mathematics education option continue to represent the largest number of majors, exceeding the other three options: mathematics, statistics, applied mathematics.

## **X. Summary of Proposed Changes**

The changes are to continue collecting data from the senior project, continue to offer Mathematics: Content Praxis Review Sessions, and investigate and monitor the new Praxis scores and exam structure.

## **XI. Assessment System**

The new content Praxis exam provides fewer categories than the previous one, so less specific information is now available about specific weakness areas.