The Role of Two-Year Colleges in Teacher Preparation

Rob Farinelli AMATYC President May 13, 2011

Background

- Over 50% of all students in teacher prep programs take some, if not all, of their mathematics classes a two-year colleges
- This could include developmental courses, college-level courses, and mathematics content courses for elementary/middle school teachers.

Programs

- These vary *WIDELY* from state to state.
- MD has the AAT Program
- Many individual colleges have articulation agreements already in place
 - 79% already have agreements
 - 12% are in progress
- Some community colleges are now offering certification programs either by themselves or having four-year colleges offering the classes on the two-year campus.
- Post Bachelor Certification Programs

Courses

- Prerequisites vary from state to state ...
 - Range from none to College Algebra
- Most have a "Number Theory/Problem Solving" course as the first in a sequence of Mathematics for Elementary Education block of courses.
- Geometry and Probability/Statistics follow
 - Some have one combined class, others have two separate classes

Common Issues

- Who teaches these pre-service teachers?
- Is there collaboration between Math and Ed departments?
- How can these courses transfer broadly?
- Can Education schools bring their Junior and Senior level courses to the community colleges?
- Dual Enrollment/Seamless Transition
- Common Core Issues

Q and A?