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## Beginning with the End in Mind: Embedding Co-Planning & Co-Teaching Throughout Secondary Mathematics Education

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### Abstract

In 2012, East Carolina University joined the Mathematics Teacher Education Partnership (MTE-Partnership). Joining the MTE-Partnership occurred at a very opportune time for our high school mathematics education program. Our program had not been revised since the late 1990s, and the adoption of the Common Core State Standards for Mathematics (2010), combined with publication of the *Mathematics Education of Teachers II* (2012), amplified the need for program revisions to meet the growing demands expected of beginning high school math teachers. Also, in 2013, our program piloted co-planning and co-teaching. Each of these elements informed the transformation of our program to prepare high school mathematics teachers. We have remained active participants in the MTE-Partnership and implemented successive Plan-Do-Study-Act cycles to provide data to the partnership and inform program area decisions. As a result, co-planning and co-teaching are embedded, beginning in our junior methods course through the senior internship one and two semesters. This process has solidified existing relationships in our mathematics teaching community and involved all stakeholders (e.g., clinical teachers, teacher candidates, university faculty, and the Office of Clinical Experiences at our university) in better preparing our high school mathematics education graduates for the realities of teaching. We will discuss how we have embedded co-planning and co-teaching into our methods courses and clinical experiences. We will also share data collected and lessons learned after three years of implementation.

### References

- Common Core State Standards Initiative. (2010). *Common Core State Standards for Mathematics*. Washington, DC: National Governors Association Center for Best Practices and the Council of Chief State School Officers.
- Conference Board of the Mathematical Sciences. (2012). *The mathematical education of teachers II*. Providence, RI and Washington, DC: American Mathematical Society and Mathematical Association of America.