



EE-STEM



Micromessaging To Reach and Teach Every Program Introduction

Dear Dean, Chair, or Principal:

In 2011, the National Alliance for Partnership in Equity (NAPE) and the Community College of Baltimore County (CCBC) received funding from the National Science Foundation to pilot a professional development program for secondary teachers and community college faculty in Maryland with a specific focus on Career Technology Education (CTE) and college level technology programs. Now entering its second year, the Educators Equity in STEM Academy (EE-STEM Academy) will deliver the high-quality, rigorous professional development program to twenty-five (25) Baltimore County Public School (BCPS) secondary faculty and twenty-five (25) CCBC faculty with the goal of improving the participation, completion and performance of females and other underrepresented students in selected science, technology, engineering, and mathematics (STEM) core courses and programs of study. We are now soliciting applications for strong candidates. Qualifications for participation is as follows:

Baltimore County Public Schools

1. Secondary faculty must be teaching one or more of the following courses or programs:
 - STEM courses that serve as prerequisites to entering *or* successful completion in pre-engineering or IT programs.
 - Courses in Project Lead the Way *or* Cisco Learning Academy.
2. A minimum of two teachers must be selected for a school to participate.
3. The faculty member must have the approval of the school principal to participate as evidenced by the completion of a confidential criteria matrix.
4. The teacher must complete and *submit the application for selection by May 20, 2012.*

The Community College of Baltimore County

Post-secondary faculty must be instructing in one of the following programs or core courses:

- Engineering Technology
- Information Technology
- Networking Technology
- Multimedia Technology
- Fundamental physical science courses
- Fundamental college level math courses
- Fundamental computer science courses

Benefits to Baltimore County

Faculty will benefit from improved pedagogical skills that they will share with colleagues as peer coaches. The data-driven program will identify improved student outcomes for underrepresented groups, a high need area. Improvement in CTE and college technology program outcomes will ensure continued state and federal funding for STEM career programs and support more students' transition to post-secondary education.

Next Steps and Additional Information

Have faculty complete the application and return to you. Then you complete and attach a Criteria Matrix form. Submit the two forms for all faculty together to either **Dr. John Quinn, Executive Director of STEM, BCPS, jquinn3@bcps.org** or **Dr. Tara Ebersole, CCBC STEM Liaison, TEBERSOL@ccbcmd.edu** or call 443-840-5948 for more information.



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