Ohio STEM Equity Pipeline™
Update at Perkins Fall Meeting 9/24/13
Ben Williams, Ph.D., Project Director, Columbus State Community College

Background:
The Ohio STEM Equity Pipeline™, which started in late fall 2009, currently has 14 sites in which middle schools (in some cases), high schools, career centers, adult education programs, community colleges and four-year institutions, and Business and Industry partners are collaborating in using The National Alliance for Partnerships in Equity’s PIPE-STEM™ (The Program Improvement Process for Equity in Science, Technology, Engineering, and Mathematics) to increase the participation and completion of under-represented students in nontraditional career-technical programs. Teams are developing research- and evidence-based strategies to increase access, participation, persistence, program completion, and ultimately, job placement, of females and other under-represented students in high tech, high wage, and high demand STEM careers. Ohio is one of 22 states currently engaged in this work.

Our 14 active sites are made up of three groups. The first group is made up of the initial three pilots that were supported by the National Science Foundation (NSF) grant-funded STEM Equity Pipeline Project administered through NAPE. The second is made up of 11 sites whose training has been funded through the Office of Career-Technical Education in Ohio Department of Education (ODE) since summer 2011. These projects have used PIPE-STEM™ to develop plans to increase the Nontraditional participation and Nontraditional completion of students, as measured by the Carl D. Perkins Accountability measures. The Third group is made up of other project teams who have contracted directly with NAPE.

In FY2014, a new NAPE Program will be brought to Ohio, namely “Micromessaging to Reach and Teach Every Student”™, whose focus is on STEM classroom transformation. This program is already making a positive impact on the students whose teachers have completed it in Texas and Maryland. We are excited to start our first project in Ohio in fall 2013 through the support of Ohio Department of Education.

The Ohio STEM Equity Pipeline™ is currently managed through Columbus State Community College and Coordinator, Special Projects in Admissions, Dr. Ben Williams.

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More on The STEM Equity Pipeline™ can be found on the NAPE website at www.napequity.org or at www.stemequitypipeline.org