



National Alliance for Partnerships in Equity STEM Equity Pipeline

Ben Williams' chapter on the STEM Equity Pipeline published in *STEM Models of Success: Programs, Policies, and Practices in the Community College* (2014)



Ben Williams, Ph.D., NAPE Consultant, and Coordinator, Special Projects in Admissions at Columbus State Community College, recently had his chapter titled “Using Research- and Evidence-Based Strategies to Increase Access and Gender Equity in STEM: The STEM Equity Pipeline Project” published in *STEM Models of Success: Programs, Policies, and Practices in the Community College* (J.L. Wood and R.T. Palmers, eds., Information Age Publishing, 2014). According to the publisher, “Informed by research and theory, each chapter in this volume blazes new territory in articulating how community colleges can

advance outcomes for students in STEM, particularly those from historically underrepresented and underserved communities.”

Learn more about the book and ordering information by clicking [here](#).

Women are still grossly underrepresented in most high-growth, high-tech, and high-wage science, technology, engineering, and mathematics (STEM) career fields outside of medical and health sciences. In his chapter, Dr. Williams explores how the Program Improvement Process for Equity in STEM (PIPE-STEM™) of the STEM Equity Pipeline Project, which was created by the National Alliance for Partnerships in Equity (NAPE) through funding from the National Science Foundation (NSF), has expanded access and success for females in STEM career-technical pathways throughout the country.

The Ohio STEM Equity Pipeline Project, which started in late fall 2009, currently involves 17 sites, and 1 more planned for FY2015, in which middle schools (in some cases), high schools, career centers, community colleges and 4-year institutions, and Business and Industry partners are collaborating in using PIPE-STEM to identify the root causes for low participation and low completion of females and other underrepresented students in STEM career and technical programs. Each team is developing research- and evidence-based strategies to increase access, participation, persistence, program completion, and ultimately, job placement, of females and other underrepresented students in high-tech, high-wage, and high-demand STEM careers. Since 2011, this work has been funded through the Office of Career-Technical Education in Ohio Department of Education (ODE) and administered through a contract with Columbus State Community College. Dr. Williams is the project director.

See <http://www.stemequitypipeline.org/StateTeams/OH.aspx> for more information.