

Executive Summary (Revised 9/3/2010)

NRC MINORITY SERVING INSTITUTIONS PROGRAM

FISCAL YEAR 2010; SBCR-FN-0310-MSIP01

FOCUS AREA: NUCLEAR ENGINEERING EDUCATION

PROGRESS FROM A MINOR TO AN UNDERGRADUATE MAJOR IN NUCLEAR ENGINEERING PROGRAM AT WILBERFORCE AND CENTRAL STATE UNIVERSITIES

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Wilberforce University (WU), the first Historically Black College or University (HBCU) established in the United States (in 1856) and Central State University (CSU), actually a spin-off from Wilberforce University (in 1947), began Undergraduate Minor in Nuclear Engineering (MINE) programs in 2005 with help from The Ohio State University. In these programs, four nuclear engineering courses were taught by Ohio State University Nuclear Engineering Program faculty using a combination of fully synchronous Distance Learning Rooms (DLRs) and on-site teaching in the DLR at Wilberforce University. Central State University students come to the Wilberforce campus for these classes. In the 2008/2009 academic year we developed expertise at Wilberforce University to teach the four courses with training, mentoring and close supervision from Nuclear Engineering faculty at The Ohio State University.

The objective of this proposal is to improve the infrastructure at WU and CSU, as well as to develop and teach four additional courses and laboratory experiments in order to progress from the Undergraduate Minor to an Undergraduate Major in Nuclear Engineering program, through additional mentoring and close supervision from The Ohio State University, provide stipend to Students Research Assistants and provide scholarship to Nuclear Engineering Students.

. **Total Three-Year Funding Requested for this Project is \$329,434.**