

## **Alabama A&M University Nuclear Education and Outreach Program (AAMU-NEOP)**

### **Executive Summary**

To better support the students and communities in Northern Alabama to serve the Nation's nuclear energy initiatives, we identified the need to improve the nuclear education infrastructure and subject matter expertise in three major departments at Alabama A&M University (AAMU), a Historically Black University (HBCU). This proposal, a joint initiative between the School of Arts and Sciences, and the School of Engineering and Technology, has three main objectives: (1) to develop a degree concentration in physics, and a degree concentration and certificate program in engineering, (2) to provide a yearly summer workshop to junior high and high school teachers as a community outreach component, with follow-up distance learning or on-site educational experiences, and (3) to provide new or additional nuclear science content into at least five currently existing physics courses. It is the goal of this project to provide some of the human resources, especially minorities and women, needed to address the shortage of engineers and scientists in the nuclear workforce.

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