

## **Applications of Nuclear Science and Engineering**

### **Executive Summary**

We propose to develop educational materials for comprehensive introductory nuclear engineering concepts for undergraduate students deciding to enter a major or minor in the field of nuclear science and engineering. These modules will be used in the Nuclear and Radiation Engineering Technical Option and Radiation Physics Option at the University of Texas at Austin, the University Engineering Alliance (formerly known as the Big-12 Nuclear Engineering Consortium), and three Historically Black Colleges or Universities (HBCUs): 1) Florida Memorial University; 2) Huston-Tillotson University; and 3) Texas Southern University. In addition, a dedicated website will be developed so that high school and middle school teachers will be able to use any of the modules for their own teaching purposes.

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