

Enhancing Nuclear Workforce Training Through the Development of Courses Designed to Train the Next Generation of Skilled Nuclear Workers

Executive Summary

The purpose of this project is to develop Augusta Technical College's Associate of Applied Science Nuclear Engineering Technology Degree (NET) program. The course competencies will be based on the Institute for Nuclear Power Operations (INPO) Nuclear Uniform Curriculum (ACAD 08-006). The NET program's innovations will include the incorporation of the Nuclear Uniform Curriculum guidelines for non-licensed operators, mechanics, electricians, and instrumentation control technicians, as well as a nuclear student internship. Instructor guides, lessons plans, and instructional support materials will be developed. Additionally, highly specialized state-of-the-art equipment will support nuclear power plant safety training within the program curriculum. This project will enhance the learning experience of future nuclear skilled workers through the development and incorporation of course materials, state-of-the-art equipment, instrumentation, and experiential learning that will bring real-world projects, processes, and procedures into the classroom and laboratory.

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