

Nuclear Studies Curriculum Project

Executive Summary

Wharton County Junior College (WCJC) proposes to implement a curriculum development project to enhance instruction in its Nuclear Power Technology Program for a period of two years. Under this project, curricula will be developed consonant with the use of three important pieces of nuclear power generation instructional equipment at WCJC, namely: 1) the ABB Digital Fieldbus Technology Demo Box; 2) the Hampden Boiler/Turbine/Generator/Power Distribution Skid; and 3) the Intellitek Electrical Training Modules. The WCJC nuclear curricula will be aligned with the Nuclear Energy Institute's (NEI's) Nuclear Uniform Curriculum Program Guidelines (ACAD 08-006) as well as facilitate experiential learning experiences for students by means of "hands-on" use of actual state-of-the-art nuclear power generation equipment. Through NEI's initiative for colleges and nuclear industry to work together and share training and educational resources, WCJC will make the curricula and training modules available for use at other colleges with nuclear studies programs. Students will gain prerequisite job skills to become employed at nuclear power plants in the Gulf Coast Region or elsewhere in the United States, or transfer to university-level nuclear studies programs.

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