

Nuclear Engineering Technology Program Development (Electrical and Mechanical Pathways)

Executive Summary

The College of Southern Maryland's (CSM) Nuclear Education Curricula Development Grant is designed to coalesce partner resources, technical expertise, and diverse initiatives into a regional approach to address local workforce needs in the nuclear energy industry. The two-year grant program will serve students in the Nuclear Engineering Technology (NET) associate degree program (electrical and mechanical pathways) beginning fall 2011. The ultimate goal of the curriculum development grant is to educate and train students in those issues having the potential to greatly affect the future expansion of the nuclear energy initiatives: environmental impact, public safety, and nuclear security.

Listed below are the primary objectives for the proposed project:

1. Develop and adapt the Nuclear Energy Institute's (NEI) Nuclear Uniform Curriculum Program (NUCP) to meet the workforce needs of the region.
2. Develop course curriculum for the NET program's electrical and mechanical pathways.
3. Coordinate NET course curriculum and implementation with NEI's NUCP.
4. Enhance NET student services.
5. Equip a training facility to meet the needs for the NET program.
6. Develop a marketing plan to recruit students and promote the NET program.
7. Share and distribute course curriculum and lessons learned to other colleges/universities.

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