

## **Executive Summary:**

The Nuclear Energy industry in Minnesota faces a future with large numbers of experienced employees ready to retire. SCTC is developing a new program to prepare new workers to enter the Nuclear Energy field. The Nuclear Technician Scholarship Project will fund scholarships for students enrolled in SCTC's new Nuclear Technician program while helping support recruitment, program development and equipment purchases. The new program of study will launch fall semester 2010 in partnership with [Xcel Energy](#), with an independent sister program at Dakota County Technical College. The scholarship project will help launch and sustain the Nuclear Technician program while ensuring enrollment of fully qualified students.

## **Nuclear Technician Program**

**Outcome: A.A.S. degree, diploma**

## **Objectives & Benefits**

Train continuous pool of diverse candidates for entry-level technical trade positions at nuclear power generating plants with the goal to support plant operation and maintenance of nuclear facilities, ensuring quality practices and safe operation in nuclear facilities.

Make swift positive impact on area economy by providing displaced workers who possess core technical skills with employment opportunities in nuclear industry; promote successful enrollment and graduation of underrepresented students through comprehensive recruiting, mentoring and academic advising plans.

Provide mentoring experience with nuclear technology professionals during capstone student internship at the Monticello Nuclear Generating Plant.

## **Curriculum**

Nuclear Energy Institute's Uniform Curriculum Guide for Nuclear Power Plant Technician, Maintenance, and Nonlicensed Operations Personnel Associate Degree Programs will guide the curriculum development process. Our curriculum is being aligned to the training requirements of the apprenticeship program currently in place in Xcel Energy. The Nuclear Technician program's specialty emphasis foundation will tie together the existing Energy Consortium core curricula, delivered both in-class and online, carefully crosswalked with the Xcel apprenticeship program and the NEI Uniform curriculum guide.

## **Principal Investigator:**

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