

**FY 2013 Grant Program Trade School and Community College Scholarship Grant  
Program Awards (7 awards)**

<b>Institution</b>	<b>Amount</b>	<b>Title</b>
Brazosport College	\$120,000	Brazosport College's Nuclear Education Scholarship Program
College of Southern Maryland	\$150,000	Nuclear Education Scholarship Program
Idaho State University	\$149,680	ESTEC Nuclear Education Scholarship Program
Linn State Technical College	\$150,000	LSTC NRC Nuclear Education Scholarships
Midlands Technical College	\$150,000	Nuclear Systems Technician Scholarship Program at MTC
New Mexico Jr. College	\$150,000	New Mexico Junior College Scholarship Program
Wharton County Junior College	\$150,000	Wharton County Junior College Nuclear Education Scholarship Project

## **Brazosport College's Nuclear Education Scholarship Program - TexANS (Texans Accessing Nuclear Science) Scholarship Program**

### **Executive Summary:**

The TexANS (Texans Accessing Nuclear Science) Scholarship Program will annually provide twelve (12) year-long scholarships for Brazoria County students entering nuclear power technology educational programs at Brazosport College to facilitate increased numbers of trained and qualified applicants to meet replacement and expansion needs of the southeast Texas Gulf Coast nuclear industry. Over the two-year grant period, a total of twenty-four (24) scholarships will have been awarded.

**Principal Investigator:** Kay Wright, [Kay.Wright@brazosport.ed](mailto:Kay.Wright@brazosport.ed)

## **The College of Southern Maryland's (CSM) Nuclear Education Scholarship Program**

### **Executive Summary:**

The College of Southern Maryland's (CSM) Nuclear Education Scholarship Program 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 up to 24 scholarship recipients beginning fall 2013 in the Nuclear Engineering Technology (NET) associates degree program. Successful applicants will be offered up to \$5,000 for tuition, fees and textbook expenses, as well as, an array of continuum of support services and assistance in transitioning to employment.

CSM's Nuclear Education Scholarship Program will pursue the following project objectives and benefits:

1. Increase the number of academically talented students who enroll in the Nuclear Engineering Technology program.
2. Increase student retention by enhancing support services to address the unique and social needs of NET students.
3. Increase engagement of the region's employment community in recruiting, retaining and employing NET participants.

**Principal Investigator:** Robert Gates, robertg@csm.edu

## **FY 2013-2015 ESTEC Nuclear Education Scholarship Program**

### **Executive Summary:**

The Energy Systems Technology and Education Center (ESTEC), located within the College of Technology (CoT) at Idaho State University (ISU), offers an Associate of Applied Science Degree in Nuclear Operations Technology. The Nuclear Operations program, in partnership with Idaho National Laboratory, is compliant with the Nuclear Energy University Program (NEUP) and provides education for non-licensed nuclear operators.

This project will:

- provide fifteen (15), \$8,000 scholarships to students enrolled in the ESTEC Nuclear Operations Technology program.
- provide roundtrip travel for up to 11 students to participate in an internship opportunity
- provide 15% of annual funding for the Associate Director, Grant Management and Execution

This project will benefit students and the nuclear industry by:

- providing a high quality educational experience in a secure, high-growth/high demand industry currently experiencing a shortage of trained workers
- providing internship opportunities for students
- providing industry with 15 highly trained employees

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## **LSTC NRC Nuclear Education Scholarships**

### **Executive Summary:**

Funds are requested for Linn State Technical College (LSTC) to provide scholarships for students attending or accepted into the Associate of Applied Science degree in Nuclear Technology during 2013-2014. The Nuclear Technology program offers four options: Radiation Protection, Reactor Operations, Instrumentation and Controls, and Quality Control. These two-year degree programs support the nuclear energy industry workforce by providing a pool of highly qualified technicians and craft personnel ready for employment, an essential element to continued safe, efficient, and reliable electricity production. Future and present workforce shortages caused by the aging workforce within the nuclear industry is a widely-recognized problem that has been analyzed and addressed in numerous studies and public venues. With the predicted shortage of workers already on the horizon, the nuclear energy industry must focus on recruitment, retention, and training high-quality workers for the present and future. This scholarship program is playing a major role in addressing these issues by providing much needed funds for qualified students to attend and complete one of the LSTC nuclear degree programs. Having a scholarship available specifically for the nuclear program is an integral part of the successful recruitment of qualified students. It assists in advertising the program, makes the program financially feasible for some students, and gives the degree credibility from the start.

The LSTC Nuclear Technology degree is a successful program that is being emulated by other educational institutions that endeavor to deliver a two-year nuclear degree. This scholarship has been offered since 2008 and has been a successful tool in the recruitment process. Two factors that have been impacted include increased enrollment of highly qualified students and a broader public awareness of the two-year degree in Nuclear Technology and the knowledge that it is the doorway to a professional and rewarding career.

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## **Nuclear Systems Technician Scholarship Program at MTC Executive Summary**

### **Executive Summary:**

Scholarships will be awarded and supportive services provided to approximately 25 students in the NET (auxiliary operator) certificate program over the two-year grant period. An innovative partnership involving the South Carolina Electric & Gas Company, college leadership, and engineering faculty supported Dr. Chandler's development and implementation of the NET program which began offering classes in Fall 2009. In only three years, 180 students have enrolled and 44 have graduated with a job placement rate of 77% at nuclear facilities in SC and the surrounding states. This successful partnership has grown to include multiple nuclear industry representatives. Most recently, Dr. Chandler helped establish the Regional Center for Nuclear Education and Training to share resources throughout the Southeast as Co-PI in a National Science Foundation grant. Scholarship recipients will receive support in building education and career pathways with access to these and other program resources. The goal of the program is to develop a workforce of highly-skilled auxiliary operators for safe and rapid expansion of the nation's nuclear energy resources. Objectives of the scholarship program are to: 1) recruit, retain and prepare 25 students for employment in the nuclear industry within 24 months and 2) utilize new and innovative partnerships to attract a diversified student population and broaden access to resources and job opportunities in the Southeast's nuclear industry. The benefits of the program are access to the NET program based on academic merit, not ability to pay, and addressing the critical demand for highly-skilled auxiliary operators capable of supporting the safe and responsible growth of nuclear power in the Southeast.

**Principal Investigator:** Thomas Chandler, [chandlerc@midlandstech.edu](mailto:chandlerc@midlandstech.edu)

## **New Mexico Junior College Nuclear Scholarship Program**

### **Executive Summary:**

Lea County, New Mexico is one of the newest and fastest growing areas in the nuclear renaissance. With nearly 1,000 nuclear jobs in the area, and planned and potential growth opportunities that could double this workforce, it is critical that we create a pipeline of qualified individuals to fill the new opportunities and replace existing workers in an aging workforce. It is now important to address the student needs, and employer needs. New Mexico Junior College along with the Nuclear Regulatory Commission, established the only fully online and accredited nuclear technician and radiological technician program in the country. Since the inception of this partnership with the NRC scholarships in 2009, NMJC has graduated 77 students with an Associate of Applied Science Degree in Energy Technology, Nuclear Technician Certificate, Radiological Control Technician, or Energy Technician Certificate.

NMJC will use these scholarships to support students entering the nuclear field or obtaining certifications necessary for work in the nuclear industry.

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## **Wharton County Junior College Nuclear Education Scholarship Project**

### **Executive Summary:**

Wharton County Junior College proposes to continue its Nuclear Education Scholarship Project (NES Project) during 2013-14 and 2014-15 (i.e., 4-1-2013 through 3-31-2015). The goal of the NES Project is the improvement and expansion of educational opportunities for academically talented students as well as for academically talented students with demonstrated financial needs, who enroll in the associate degree program in Nuclear Power Technology or in the associate degree program in Process Technology (Nuclear Enhanced Skills Certificate option). The objectives of the program are to (1) recruit a 15-student cohort through recruitment efforts at the college and at high schools in the WCJC service area, especially in communities near the South Texas Project Nuclear Power Plant located near Bay City, Texas; and (2) award at least 15 scholarships per academic year. With this level of financial assistance, the NES Project will enable at least 15 students per semester to enroll in WCJC's nuclear studies programs who might otherwise not be able to afford to enroll or to persist in college studies to completion of a degree. Women, minority students, veterans, and physically challenged individuals will also be encouraged to apply. This program will benefit both the students and the nuclear power generation industry. Upon graduation, students will receive an Associate of Applied Science degree in Nuclear Power Technology and will possess the prerequisite skills to become employed at a nuclear power generation facility in the Texas Gulf Coast Region or elsewhere in USA, or to pursue a baccalaureate degree in nuclear studies.

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