

### 2018 Trade School and Community College Scholarship Grant Awards

| Institution                           | Award Amount | Program Title  |
|---------------------------------------|--------------|--|
| Chattanooga State Community College   | \$ 88,300    | Chattanooga State Community College's Nuclear Scholarship Program  |
| College of Southern Maryland          | \$105,804    | The College of Southern Maryland's (CSM) Nuclear Education Scholarship   |
| Columbia Basin Community College      | \$150,000    | Columbia Basin College Nuclear Scholarship Program   |
| Cuesta College                        | \$150,000    | Cuesta College's Nuclear Education & Training Scholarship Program Supporting a Nuclear Workforce in Transition |
| Florence Darlington Technical College | \$150,000    | The Florence-Darlington Technical College Nuclear Scholarship Program  |
| Southeast Community College           | \$149,563    | SCC Nuclear Energy Scholarship Program   |

## **Chattanooga State Community College's Nuclear Scholarship Program**

### **Executive Summary:**

#### *Project Objective and Benefits:*

The objective of Chattanooga State Community College's Nuclear Scholarship Program is to provide 20 two-semester scholarships per year over the next two years for full-time students within nuclear related programs of study (AAS Engineering Technology: Nuclear Power Engineering Technology, Radiation Protection, Non-Destructive Testing Technology and Quality Assurance/Quality Control). Scholarships will average \$4,415 per year per student to cover the cost of tuition and fees for up to 16 hours.

Chattanooga State Community College is supporting the Southeast United States' nuclear power industry workforce by increasing the number of highly skilled and very qualified technicians. This scholarship will continue to be an instrumental tool in the Engineering and Information Technologies Division's recruiting, retaining and educating of nuclear technicians during a time where attrition of the current workforce is prevalent and of grave concern.

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

### **Executive Summary:**

**Description:** 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 15 scholarship recipients beginning fall 2018 in the Energy Systems Technology (EST) associates degree program. Successful applicants will be offered 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 Energy Systems Technology program.
2. Increase student retention by enhancing support services to address the unique and social needs of EST students.
3. Increase engagement of the region's employment community in recruiting, retaining and employing EST participants.

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## **Columbia Basin College Nuclear Scholarship Program**

### **Executive Summary:**

CBC, in partnership with local nuclear industry leaders, requests funding to continue its academic merit scholarship program for Nuclear Technology students. Funding will provide approximately 29 scholarships over two years for students enrolled in the Nuclear Technology program.

Together with CBC's Nuclear Technology Advisory Committee, CBC has identified the need to increase the number of students, especially from underrepresented groups, pursuing degrees that lead to careers in the operation and regulation of nuclear facilities and the safe handling of nuclear materials. NRC support is a critical component in recruiting and retaining a diverse and academically-talented cohort of students in our region for entry into the high-demand/ high-growth nuclear industry.

**Principal Investigator:** Janese Thatcher, [jthatcher@columbiabasin.edu](mailto:jthatcher@columbiabasin.edu)

## **Cuesta College's Nuclear Education & Training Scholarship Program Supporting a Nuclear Workforce in Transition**

### **Executive Summary:**

The project objective is to provide financial assistance to 20 full-time students in the Cuesta College Nuclear Power Program by 2020. The instructional program, implemented in partnership with Pacific Gas and Electric Diablo Canyon Power Plant, includes a certificate and an Associate's Degree designed to transition nuclear technicians from the operational to the decommissioning phase. Approximately 40% of Cuesta College students are low income and, despite financial aid resources, many are not able to cover the annual costs of full-time attendance. This scholarship will allow more students to participate in the Nuclear Power Program full-time, graduate quickly and fill employment voids at Diablo Canyon Power Plant and other nuclear facilities, particularly those requiring the specialized skills for decommissioning. The program will include success workshops designed to reinforce the skills and behaviors required by the nuclear industry. Cuesta College will conduct a formative and summative evaluation to document that the scholarship program addresses the goals of California's Strong Workforce Program, which seeks to increase the number of students enrolled in technology programs and improve rates of completion for technology certificates and degrees that result in employment in high-wage, high-demand jobs.

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## The Florence-Darlington Technical College Nuclear Scholarship Program

### Executive Summary:

Florence-Darlington Technical College (FDTC) in Florence, South Carolina requests \$150,000 for the **Nuclear Scholarships Program (NSP)** to prepare the next generation of high demand craft trade workers needed to maintain South Carolina's seven nuclear power reactors. The **NSP** will work closely with partners in the nuclear industry to ensure that programs have the required content. To meet industry demands, the **NSP** will expand the FDTC Piping Academy which has been training workers for the nuclear industry for over 10 years. **NSP** will:

- 1) ***Increase access to education for workers in high demand critical areas*** and
- 2) ***Create an innovative curriculum that embeds industry-required certifications and paid internships.***

Given that 58 percent of electricity generated in South Carolina is nuclear it is imperative that the existing reactors are maintained to the highest standards of safety. Nuclear reactors in South Carolina employ more than 2,800 highly skilled workers. FDTC will be the only public 2- year institution to offer all six programs: Construction/Pre-Pipe, Crane Operator, Pipe Welder/Pipe Fitter, Rigger/Signaler, Valve Technician, and Air Operator Valve Technician.

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## **SCC Nuclear Energy Scholarship Program**

### **Executive Summary:**

#### Project Objectives:

- By the end of year two, award scholarships to 22 qualified students of up to \$6,000, but no more than \$5,000 in a single year.
- Throughout the two-year grant period, provide sufficient student support for scholarship recipients to achieve 80% retention and completion.
- For scholarship graduates, achieve 100% compliance with service agreement to work in a nuclear-related occupation.
- By the end of the grant period, leverage additional resources from partners to enhance student learning and retention.

#### Benefits of the project:

- Scholarship graduates will secure jobs in nuclear-related companies, part of a trained workforce capable of supporting the design, construction, operation and regulation of nuclear facilities and the safe handling of nuclear materials..
- An ongoing nuclear scholarship program will be undertaken to ensure a continuing pipeline of trained employees.

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