



A Strategic Energy Innovations Program
connect@energizecolleges.org
www.energizecolleges.org

Energize College Faculty Grant Application

Through Energize Colleges, faculty are eligible for a variety of support services, including faculty grants up to \$5,000 to help cover the costs of instructional materials, field and lab experiences, and faculty time dedicated to enhancing existing and creating new courses, degrees, and certificates. Average grants will range from \$2,000-\$3,500, but will be offered up to \$5,000. Larger grants (\$3,000-\$5,000) are designed for substantial projects, such as new Certificate and Degree development. Smaller grants (\$1,000-\$3,000) can be used to develop new courses or enhance existing approved courses, certificates, and degrees through infusion of project-based, experiential learning, within the framework of the approved outline.

Grants award payments will be made in two installments, with 50% of the grant given at the onset of the project, and the remaining 50% awarded upon project completion and demonstration of project outcomes. This payment schedule may be adjusted on a case by case basis if needed for the purchase of instructional materials, equipment, or field learning experiences.

We recognize that the approval timeline for new courses, certificates, and degrees is long. Our role is to assist with design and to help ease the burden of getting new projects into the approval pipeline. Curriculum plans will be developed with faculty at the outset of the program, with the goal of prioritizing new courses, certificates, and degrees for design and the launch of the approval process, knowing that full approval and implementation may take longer than the grant period.

Specifically, we will support faculty to expand and create academic programs and learning experiences around the following 8 energy career pathways:

1. Energy Engineering: energy efficiency, energy storage, the smart grid, and the energy-water nexus
2. Environmental Controls Technology: HVAC, Building Commissioning, Operations, and Building Controls
3. Solar Design, Sales, and Estimation
4. Installation & Maintenance: EE retrofitting, HVAC, lighting, solar & retro-commissioning
5. Energy Auditing
6. Energy Storage
7. Energy & Environmental Management: utility bill analysis and monitoring, policy, utility program management, and government
8. Building Construction & Architecture



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Faculty Academic Project Grant Application

Name: Carina Antilla-Suarez & Carla Grandy

Title: Professors of Biology and Earth Sciences

Email/ Phone Number:



Institution Name: Skyline College

1. Which of the following best describes the project for which you are seeking funding?
 - a. Improving an existing course
 - b. Improving an existing certificate
 - c. Improving an existing degree program
 - d. Developing a new course
 - e. Developing a new certificate
 - f. Developing a new degree program
2. Please describe the energy education project for which you are seeking funding, including the proposed steps and timeline.

Funding four a set of tools to support the Four Part Energy Series with SEI in November and December of 2016, involving both GEOL_105 and ENVS_100.

3. Please indicate the related energy career pathways for this project:
 - a. Energy Engineering: energy efficiency, energy storage, the smart grid, and the energy-water nexus
 - b. Environmental Controls Technology: HVAC, Building Commissioning, Operations, and Building Controls
 - c. Solar Design, Sales, and Estimation



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- d. Installation & Maintenance: EE retrofitting, HVAC, lighting, solar & retro-commissioning
 - e. Energy Auditing
 - f. Energy Storage
 - g. Energy & Environmental Management: utility bill analysis and monitoring, policy, utility program management, and government
 - h. Building Construction & Architecture
4. Please provide a budget for your proposed grant application. Please note the following when designing your project budget:
- a. Average grant awards range from \$2,000-\$3,500, but we will be offered up to \$5,000 for significant projects, such as new certificate or degree development.

20 watt meters = \$428.36 (\$21.42 per meter)
20 light meters = \$1,516.21 (\$75.81 per meter)
TOTAL: \$1,944.57
 - b. Overhead and overtime is limited to no more than 25% for faculty grants and should be reflected in proposed project budgets, if necessary.

N/A
5. If your budget includes instructional materials, you can indicate to Energize Colleges what you would like to purchase and our staff can place the order, or you can submit a receipt for reimbursement. Which option would you prefer?

Energize Colleges to purchase.
6. The mission of Energize Colleges is strengthening energy higher education programs statewide. Through our mission and the terms of our grant funding, we are committed to sharing these curriculum materials openly with other colleges and universities around the state. Do you agree to sharing curriculum developed through this program with other faculty in California?

Yes.