

Power Supply Engineer - R&D 2 (7119U) 19235  
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=169307>

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Posted Oct. 12, 2021, set to expire Feb. 6, 2022

<b>Job Title</b>	Power Supply Engineer - R&D 2 (7119U) 19235
<b>Department</b>	
<b>Institution</b>	University of California, Berkeley Berkeley, California
<b>Date Posted</b>	Oct. 12, 2021
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Electrical and/or Electronics
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**Job Description**

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About Berkeley

At the University of California, Berkeley, we are committed to creating a community that fosters equity of experience and opportunity, and ensures that students, faculty, and staff of all backgrounds feel safe, welcome and included. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

The University of California, Berkeley, is one of the world's leading institutions of higher education, distinguished by its combination of internationally recognized academic and research excellence; the transformative opportunity it provides to a large and diverse student body; its public mission and commitment to equity and social justice; and its roots in the California experience, animated by such values as innovation, questioning the status quo, and respect for the environment and nature. Since its founding in 1868, Berkeley has fueled a perpetual renaissance, generating unparalleled intellectual,

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economic and social value in California, the United States and the world.

We are looking for equity-minded applicants who represent the full diversity of California and who demonstrate a sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds present in our community. When you join the team at Berkeley, you can expect to be part of an inclusive, innovative and equity-focused community that approaches higher education as a matter of social justice that requires broad collaboration among faculty, staff, students and community partners. In deciding whether to apply for a position at Berkeley, you are strongly encouraged to consider whether your values align with our [\[url=https://apptrkr.com/get\\_redirect.php?id=2555525&targetURL=https://strategicplan.berkeley.edu/guiding-values-and-principles/\]](https://apptrkr.com/get_redirect.php?id=2555525&targetURL=https://strategicplan.berkeley.edu/guiding-values-and-principles/)Guiding Values and Principles, our [\[url=https://apptrkr.com/get\\_redirect.php?id=2555525&targetURL=https://diversity.berkeley.edu/principles-community\]](https://apptrkr.com/get_redirect.php?id=2555525&targetURL=https://diversity.berkeley.edu/principles-community)Principles of Community, and [\[url=https://apptrkr.com/get\\_redirect.php?id=2555525&targetURL=https://strategicplan.berkeley.edu/\]](https://apptrkr.com/get_redirect.php?id=2555525&targetURL=https://strategicplan.berkeley.edu/)our Strategic Plan[\[url=https://apptrkr.com/get\\_redirect.php?id=2555525&targetURL=https://strategicplan.berkeley.edu\]](https://apptrkr.com/get_redirect.php?id=2555525&targetURL=https://strategicplan.berkeley.edu).

### Departmental Overview

The Space Sciences Laboratory (SSL) is the UC system's premier space sciences research facility and one of the preeminent university laboratories in the country for space research. SSL's primary goals of fostering outstanding research in space-related sciences and providing education for the next generation of space scientists. Research at SSL is led by Berkeley faculty and SSL Senior Fellows, and focuses on experiments and observations carried out in space, but also includes research with the potential of leading to future space experiments, and the theoretical research that is tied into the experimental and observational programs. Since its inception in 1959, SSL has participated in over 50 NASA space science missions, including the Apollo, Mars, and Explorer programs, as well as many international space missions.

### Application Review Date

The First Review Date for this job is: 6/18/2021

### Responsibilities

Uses professional engineering concepts to perform moderately complex engineering assignments in the power supply electrical engineering specialty. Works in a specialized engineering phase of a major training and/or research effort. Works on assignments of moderate scope where analysis of situations

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or data requires a review of a variety of factors. Is responsible for the design, build and test of power supply circuitry and interfacing to sensors and digital electronics.

### Responsibilities

- \* Assists with implementation of testing power supply electrical boards alone or along with the subsystems with which they interface. Helps with test set ups and monitors data from tests and test facility equipment status.
- \* Tests power supply electrical boards, and gathers and analyzes data; prepares formal engineering reports, drawings and status reports from those tests.
- \* Under general supervision, designs and prepares power supply engineering plans and specifications of moderate complexity for novel laboratory equipment and instruments. Using engineering principles and standards, develops, tests, and troubleshoots power converters for spacecraft; designs, constructs, and tests ground-support equipment for power converters; designs and builds circuitry for testing. Engineering background and work experience required.
- \* Under general supervision, produces power supply electrical engineering drawings, layouts (or coordinates with the layout designer), helps with parts selection and provides instructions to the person or company that will assemble the boards.

### Required Qualifications

- \* Basic working knowledge of power supply electrical engineering principles and methods in order to independently perform professional design work of limited scope and complexity.
- \* Working knowledge necessary to begin independent application of principles, practices and procedures in the completion of assignments in the field of power supply electrical engineering.
- \* Organizational abilities and decision-making to prioritize work assignments.
- \* Effective written and verbal communication skills.
- \* Ability to work in a collaborative manner, to assist in identifying any challenges or barriers.
- \* Knowledge of electronic parts characteristics and high reliability parts particularly in the power supply electrical engineering domain.
- \* Knowledge of ESD handling procedures.

### Education

- \* Bachelor's degree in electrical or electronic engineering or physics with work experience ideally involving analog or power supply engineering and / or equivalent experience / training.

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### Salary & Benefits

Salary commensurate with experience. For information on the comprehensive benefits package offered by the University visit:

[url=https://apptrkr.com/get\_redirect.php?id=2555525&targetURL=https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html]https://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html

### How to Apply

Please submit your cover letter and resume as a single attachment when applying.

### Conviction History Background

This is a designated position requiring fingerprinting and a background check due to the nature of the job responsibilities. Berkeley does hire people with conviction histories and reviews information received in the context of the job responsibilities. The University reserves the right to make employment contingent upon successful completion of the background check.

### Equal Employment Opportunity

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status. For more information about your rights as an applicant see:

[url=https://apptrkr.com/get\_redirect.php?id=2555525&targetURL=https://www.eeoc.gov/sites/default/files/mig]https://www.eeoc.gov/sites/default/files/mig

For the complete University of California nondiscrimination and affirmative action policy see:

[url=https://apptrkr.com/get\_redirect.php?id=2555525&targetURL=http://policy.ucop.edu/doc/4000376/Nondis]http://policy.ucop.edu/doc/4000376/Nondis

To apply, visit

[url=https://apptrkr.com/2555525]https://careerspub.universityofcalifornia.edu/psp/ucb/EMPLOYEE/HRMS/c/H

### Contact Information

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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**

N/A

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