

Digital Electrical Engineer (0346U), Space Sciences  
Laboratory - 70970  
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=242576>

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Posted Aug. 2, 2024, set to expire Nov. 28, 2024

<b>Job Title</b>	Digital Electrical Engineer (0346U), Space Sciences Laboratory - 70970
<b>Department</b>	
<b>Institution</b>	University of California, Berkeley Berkeley, California
<b>Date Posted</b>	Aug. 2, 2024
<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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**Digital Electrical Engineer (0346U), Space Sciences Laboratory - 70970**

**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

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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, 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 [Guiding Values and Principles](#), our [Principles of Community](#), and our [Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and our goal is for everyone on the Berkeley campus to feel supported and equipped to realize their full potential. We actively support this by providing all of our staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. To find out more about how you can grow your career at UC Berkeley, visit [grow.berkeley.edu](http://grow.berkeley.edu).

### Departmental Overview

The Space Sciences Laboratory (SSL) is an Organized Research Unit (ORU) of the Berkeley campus reporting to the Vice Chancellor for Research. SSL's primary goal is to foster research in space-related sciences and to provide education for the next generation of space scientists. Research at SSL, led by Berkeley faculty and SSL Senior Fellows, focuses on experiments and observations carried out in space as well as theoretical and basic research.

### Application Review Date

The First Review Date for this job is: July 29, 2024

### Responsibilities

- Applies advanced theoretical and mathematical approaches in determining the feasibility of electrical engineering designs of the electrical payload.
- Plans electrical engineering work, organizes engineers in the electrical design and supervises

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lower level engineers and technical staff engaged in the design, construction and testing of the flight instrument.

- Electrical engineering responsibility to ensure the effective design and integration of all components and engineering of the payload in the electrical and electronic specialties
- Develops specifications for aerospace component procurements.
- Represents the PI at NASA reviews and conferences on Campus in matters related to engineering design.
- Works with Instrument Systems Engineers in meeting technical requirements within schedule and budget for the electrical payload design; revises the design and verification as needed; provides all design and verification data to NASA for the electrical design.
- Leading a team of lower level professional engineers and technicians to build the electrical subsystems of the payload.

### Required Qualifications

- Advanced skills in the planning, development and construction of space systems, including one successful complex space instrument from concept development through operation.
- Knowledge and skills in systems engineering covering disciplines (electrical, electronic or mechanical) engaged at the instrument level.
- Advanced systems knowledge to effectively integrate multiple engineering fields.
- Skills in project management to include organization, planning, quality assurance and scheduling.
- Skills in supervising staff and establishing work objectives.

### Education / Training Requirements

- Advanced degree in related area and / or equivalent experience / training

### Preferred Qualifications

- Post-graduate level course work in related area preferred.

### Salary & Benefits

For information on the comprehensive benefits package offered by the University, please visit the University of California's [Compensation & Benefits](#) website.

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Under California law, the University of California, Berkeley is required to provide a reasonable estimate of the compensation range for this role and should not offer a salary outside of the range posted in this job announcement. This range takes into account the wide range of factors that are considered in making compensation decisions including but not limited to experience, skills, knowledge, abilities, education, licensure and certifications, analysis of internal equity, and other business and organizational needs. It is not typical for an individual to be offered a salary at or near the top of the range for a position. Salary offers are determined based on final candidate qualifications and experience.

The full pay scale for this position is \$134,200.00-\$263,400.00.

### **How to Apply**

To apply, please submit your resume and cover letter.

### **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, please see the [U.S. Equal Employment Opportunity Commission](#) poster.

The [University of California's Affirmative action policy](#).

The [University of California's Anti-Discrimination policy](#).



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**To apply, visit**

[https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS\\_HRAM\\_FL.HRS\\_CG\\_S](https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS_CG_S)

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### Contact Information

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

### Contact

N/A

University of California, Berkeley

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