

Mission Operations Engineer (7115U), Space Sciences
Laboratory - 78646
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=258167>

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Posted Jun. 11, 2025, set to expire Jul. 1, 2025

Job Title	Mission Operations Engineer (7115U), Space Sciences Laboratory - 78646
Department	Space Sciences Laboratory
Institution	University of California, Berkeley Berkeley, California
Date Posted	Jun. 11, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Aerospace/Aeronautical/Astronautics
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Job Description

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Mission Operations Engineer (7115U), Space Sciences Laboratory - 78646

About Berkeley

At the University of California, Berkeley, we are dedicated to fostering a community where everyone feels welcome and can thrive. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

As a world-leading institution, Berkeley is known for its academic and research excellence, public mission, diverse student body, and commitment to equity and social justice. Since our founding in 1868, we have driven innovation, creating global intellectual, economic and social value.

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We are looking for applicants who reflect California's diversity and want to be part of an inclusive, equity-focused community that views education as a matter of social justice. Please consider whether your values align with our [Guiding Values and Principles](#), [Principles of Community](#), and [Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and provide space for [supportive colleague communities via numerous employee resource groups](#) (staff organizations). 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 full-time staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. Find out more about how you can [grow your career](#) at UC Berkeley.

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.

The applicant would work at the Space Science Laboratory (SSL) as a member of the Mission Operations Center (MOC) team. The Mission Operations Engineer will provide both support and leadership for our existing NASA missions, and especially those still in development, but slated for launch (e.g., COSI and UVEX missions).

This position involves work as both an aerospace systems engineer and mission operator. The applicant will be responsible for leading mission operations verification and validation (V&V) activities on multiple NASA science missions that are led and operated by UC Berkeley. The individual will provide direction to Space Sciences Lab (SSL) staff, and will also interact with NASA and the various spacecraft bus vendors we work with. The person hired will work inside our Mission Operations Center, helping to operate our 6 existing spacecrafts, as well as the new ones launched this year. SSL currently operates satellites near Earth and around the Moon and is preparing two satellites that we will be operating around Mars. This is an exciting position with lots of immediate, "hands-on" work in a flat organization.

Application Review Date

The First Review Date for this job is: June 23, 2025

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Responsibilities

- Plans, coordinates, assists-in, or executes verification and validation (V&V) activities for mission operations deliverables for spaceflight missions in active development.
- Develops operations procedures and tools for spaceflight missions (both for ground testing and on orbit)
- Supervises or coordinates technicians and shop personnel involved in Integration and Testing of a spacecraft in development
- Monitor real-time spacecraft telemetry and uplink commands and table loads to active spacecraft.
- Generate and verify spacecraft activity sequence tables.
- Address and help resolve spacecraft anomalies that present themselves during active missions.

Required Qualifications

- At least one (1) year of experience planning verification and validation activities on a previous spaceflight mission.
- At least one (1) year of experience conducting, and submitting for acceptance, some requirement verification activities (e.g., Test, Demonstration, Inspection or Analysis) on a spaceflight program.
- Working systems knowledge of typical spacecraft/satellites.
- Must be able to qualify for access to export-controlled information.

Education/Training:

- Bachelor's degree in related area and / or equivalent experience / training.

Preferred Qualifications

- Previous experience performing some systems engineering duties on a NASA mission
- Previous experience is spacecraft mission operations (e.g. controller, operator, back-room support, ground network support)
- Previous experience helping to author a Verification and Validation (V&V) Plan for a successful spaceflight mission (or a specific sub-system of a mission)
- Experience planning and executing mission operations verification and validation activities on a previous spaceflight mission.

Salary & Benefits

For information on the comprehensive benefits package offered by the University, please visit the

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University of California's Compensation & Benefits website.

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 budgeted salary range that the University reasonably expects to pay for this position is \$114,000.00 - \$122,000.00. The full pay scale for this job classification is \$98,600.00 - \$184,400.00. This is an exempt, monthly-paid position.
- This is a full-time, Career appointment with full UC benefits.

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.

SB 791 and AB 810 Misconduct Disclosure

As a condition of employment, the final candidate who accepts a conditional offer of employment will be required to disclose if they have been subject to any final administrative or judicial decisions within the last seven years determining that they committed any misconduct; received notice of any allegations or are currently the subject of any administrative or disciplinary proceedings involving misconduct; have left a position after receiving notice of allegations or while under investigation in an administrative or disciplinary proceeding involving misconduct; or have filed an appeal of a finding of misconduct with a previous employer.

"Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous

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place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical conduct, as defined by the employer. For reference, below are UC's policies addressing some forms of misconduct:

[UC Sexual Violence and Sexual Harassment Policy](#)

[UC Anti-Discrimination Policy](#)

[Abusive Conduct in the Workplace](#)

Other Information

This is not a visa opportunity.

Equal Employment Opportunity

The University of California is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected status under state or federal law.

To apply, visit

https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS.CG_S

Contact Information

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

Contact

N/A

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