

LASP ASTRO ACADEMY - OPERATIONS - MICRO- CREDENTIAL

This program bridges academia (knowledge) with space development skills (know-how) by learning to command and control in-flight space missions under the mentorship of experienced LASP professional researchers.

This program provides hands on experience on space missions in flight. Participants will be trained in mission operations, ground station networks, ground systems for planning and command execution, anomaly management, spacecraft and payload technologies, and flight dynamics. As a multi-disciplinary team, the participants operate in-flight missions, preparing themselves for careers in the industry.

Eligibility

- CU Boulder students (including degree-seeking and nondegree/ACCESS)
- CU Boulder employees

Delivery Mode

In-person

Credit Status

Noncredit

Fee

Yes

Requirements

Register for LASP Advanced Space Technology, Research, and Operations (ASTRO) Academy - Space Mission Operations.

Must attend lecture series, team building activities, entrance/exit assessments, and mentoring sessions. Must perform spacecraft and payload mission planning, spacecraft and payload health and safety monitoring and operations, and experience the high pressure, time critical environment of flight operations.

Criteria

Participants can perform spacecraft and payload mission planning. They can perform spacecraft and payload health and safety monitoring and operations. They can perform duties in the high pressure, time critical environment of flight operations.

Skills

- Command & control software proficiency
- Ground system anomaly management
- Mission operations
- Mission planning
- Spacecraft anomaly management