

Job Application

OPERATION COMET MISSION



Welcome, crew member!

Before your visit to the Challenger Learning Center, you need to apply for a specific job in the mission. Please follow the instructions carefully, so you have the greatest chance of being assigned a position that matches your interests and skills.

1. Complete the Applicant Profile at the bottom of this page.
2. Read the Job Descriptions and Responsibilities to learn about the jobs needed for the mission. As you read, identify the jobs that sound most interesting.
3. Complete the Crew Member Job Application on the next page.

Applicant Profile

First Name _____ Last Name _____

What interests and hobbies do you have?

- _____
- _____
- _____
- _____
- _____

What is your career goal? In other words, what do you want to be when you grow up?

Crew Member Job Application



Now that you have read the Job Descriptions and Responsibilities for the Operation Comet Mission, it's time to apply for the job you want. Think about your experiences, skills, interests, and goals. Fill out the chart below for your top three choices and answer the questions at the bottom of this page.

Job Ranking	Desired Job (ex: BOT)	What experiences have you had that help you do this job?	What interests do you have that would make this job exciting for you?
1st Choice			
2nd Choice			
3rd Choice			

What makes you the best candidate for your first choice?

Why do you prefer this job over the other choices?

What experience and skills do you have that will help you to do this job successfully?

Job Descriptions and Responsibilities



Biology (BIO TEAM)

Job Description:

Responsible for conducting experiments and collecting data on microorganisms and space radiation.

Areas of Interest:

- Environmental science
- Life sciences (plants, animals, organisms)

Career Connections:

- Biologist
- Environmental researcher
- Botanist



Robotics (BOT TEAM)

Job Description:

Responsible for using the robotic arm to conduct experiments and code programs for rover tasks.

Areas of Interest:

- Engineering Design
- Problem-solving and troubleshooting

Career Connections:

- Mechanical Engineer
- Software Engineer



Communication (COM TEAM)

Job Description:

Responsible for communicating critical messages between the Spacecraft and Mission Control.

Areas of Interest:

- Leadership role, comfortable with quick thinking and decision-making
- Satellite communications and systems

Career Connections:

- Communication Engineer
- Information Technologist



Geology (GEO TEAM)

Job Description:

Responsible for conducting experiments with rocks and minerals.

Areas of Interest:

- Geology (rocks, minerals, and their interactions with the Earth)
- Landing and water resources and processes

Career Connections:

- Geologist
- Environmental Engineer



Life Support (LS TEAM)

Job Description:

Responsible for maintaining the life support systems on the spacecraft.

Areas of Interest:

- Engineering Design
- Hands-on experimentation and troubleshooting with lab materials

Career Connections:

- Industrial or Systems Engineer
- Chemist



Medical (MED TEAM)

Job Description:

Responsible for conducting medical tests on the crew to ensure their health and safety.

Areas of Interest:

- Human anatomy and physiology
- Nutrition, exercise and health

Career Connections:

- Nurse or Doctor
- Emergency Medical Technician (EMT)
- Nutritionist

Job Descriptions and Responsibilities



Navigation (NAV TEAM)

Job Description:

Responsible for commanding the spacecraft and adjusting the orbit.

Areas of Interest:

- Flight paths and orbits of celestial bodies
- Satellite communications and systems

Career Connections:

- Pilot
- Aerospace Engineer
- Mathematician



Remotely Operated Vehicle (ROV TEAM)

Job Description:

Responsible for troubleshooting and assembling the rover.

Areas of Interest:

- Engineering Design
- Hands-on experimentation and troubleshooting with lab materials

Career Connections:

- Computer Scientist
- Mechanical Engineer
- Electrical Engineer



Weather (WX TEAM)

Job Description:

Responsible for researching solar weather using telescopes to capture images of long-period comets.

Areas of Interest:

- Meteorology
- Analyzing data and tracking information

Career Connections:

- Meteorologist
- Astronomer