



## Crew Member Job Application



### Crew Member Data

First Name and Last Name:

---

Date:

---

### Welcome crew member!

Before your visit to Challenger Learning Center, you will need to apply for a specific job in the mission.

Read the chart on the following pages to learn more about all of the jobs needed to complete a mission.

In the “Am I Interested?” column, put a check mark or an “x” if this job sounds exciting to you.

Then on the next page, rank your top 3 choices, and explain why you think you would be a good candidate for the job.



## EXPEDITION MARS JOBS

Team Name	Job Description	Areas of Interest	Career Connections	Am I Interested?
<b>Biology</b>	Responsible for collecting data about organisms and environmental factors that impact space exploration	<ul style="list-style-type: none"> <li>• Environmental science</li> <li>• Life sciences (plants, animals, organisms)</li> </ul>	<ul style="list-style-type: none"> <li>• Biologist</li> <li>• Environmental researcher</li> <li>• Botanist</li> </ul>	
<b>Robotics</b>	Responsible for using the robotic arm to conduct experiments and code programs for rover tasks	<ul style="list-style-type: none"> <li>• Engineering design</li> <li>• Problem-solving and troubleshooting</li> </ul>	<ul style="list-style-type: none"> <li>• Mechanical Engineer</li> <li>• Software Engineer</li> </ul>	
<b>Geology</b>	Responsible for conducting experiments with rocks and minerals	<ul style="list-style-type: none"> <li>• Geology (rocks, minerals, and their interaction with the Earth)</li> <li>• Land and water resources and processes</li> </ul>	<ul style="list-style-type: none"> <li>• Geologist</li> <li>• Environmental engineer</li> </ul>	
<b>Life Support</b>	Responsible for maintaining the life support systems on the spacecraft	<ul style="list-style-type: none"> <li>• Engineering design</li> <li>• Hands-on experimentation and troubleshooting with lab materials</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial or Systems Engineer</li> <li>• Chemist</li> </ul>	
<b>Medical</b>	Responsible for conducting medical tests on	<ul style="list-style-type: none"> <li>• Human anatomy and physiology</li> </ul>	<ul style="list-style-type: none"> <li>• Nurse or Doctor</li> </ul>	

	the crew to ensure their health and safety	<ul style="list-style-type: none"> <li>• Nutrition, exercise and health</li> </ul>	<ul style="list-style-type: none"> <li>• Emergency Medical Technician (EMT)</li> <li>• Nutritionist</li> </ul>	
Navigation	Responsible for commanding the spacecraft and navigating the flight	<ul style="list-style-type: none"> <li>• Flight paths and orbits of celestial bodies.</li> <li>• Satellite communications and systems</li> </ul>	<ul style="list-style-type: none"> <li>• Pilot</li> <li>• Aerospace Engineer</li> <li>• Mathematician</li> </ul>	
Communications	Responsible for communicating messages between the Spacecraft and Mission Control, and communicating critical messages to crew members throughout the mission	<ul style="list-style-type: none"> <li>• Leadership role-comfortable with quick thinking and decision-making</li> <li>• Satellite communications and systems</li> </ul>	<ul style="list-style-type: none"> <li>• Communication Systems Engineer</li> <li>• Information Technologist</li> </ul>	
Rover	Responsible for troubleshooting and assembling the rover	<ul style="list-style-type: none"> <li>• Engineering design</li> <li>• Hands-on experimentation and troubleshooting with lab materials</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Scientist</li> <li>• Mechanical Engineer</li> </ul>	
Weather	Responsible for researching and learning about celestial objects and tracking potential storms	<ul style="list-style-type: none"> <li>• Meteorology</li> <li>• Analyzing data and tracking information</li> </ul>	<ul style="list-style-type: none"> <li>• Meteorologist</li> <li>• Astronomist</li> </ul>	



Now that you have read the job descriptions for Expedition Mars, it's time to apply for the job you would like to do for this mission.

Think about your experiences and interests and fill out the chart below.

<b>Job Ranking</b>	<b>Desired Job</b>	<b>What experiences have you had that would help you do this job?</b>	<b>What interests do you have that would make this job exciting for you?</b>
<b>1<sup>st</sup> Choice</b>			
<b>2<sup>nd</sup> Choice</b>			
<b>3<sup>rd</sup> Choice</b>			