


Expedition Mars

Mission Job Descriptions




Team	Description	Job Title
	<ul style="list-style-type: none">• Provide communication support between astronauts and mission control• Locate and reprogram missing communication satellites	<ul style="list-style-type: none">• Communication Engineer• Information Technologist




Team	Description	Job Title
	<ul style="list-style-type: none">• Calculate and plot the course for the Spacecraft to navigate to the surface of Mars• Perform critical pre-flight checks to ensure MTV is ready to fly	<ul style="list-style-type: none">• Pilot• Aerospace Engineer




Team	Description	Job Title
	<ul style="list-style-type: none">• Build and test a remotely operated vehicle to search for signs of water• Decide which components are critical to collect and transmit data	<ul style="list-style-type: none">• Electrical Engineer• Mechanical Engineer




Team	Description	Job Title
	<ul style="list-style-type: none">• Locate a missing satellite and track other objects in the Martian sky• Track and observe dust storms on the Martian surface	<ul style="list-style-type: none">• Meteorologist• Space Weather Forecaster




Team	Description	Job Title
	<ul style="list-style-type: none">• Monitor health of the crew with a focus on radiation exposure• Run various medical diagnostics on different team members	<ul style="list-style-type: none">• Medical Doctor• Nurse




Team	Description	Job Title
	<ul style="list-style-type: none">• Testing soil to determine the presence or absences of microbes• Checking the spacecraft for signs of beneficial or harmful bacteria	<ul style="list-style-type: none">• Biologist• Astrobiologist



Team	Description	Job Title
	<ul style="list-style-type: none">• Execute basic programs for unmanned rovers to gather their payload• Test the various capabilities of robot arms	<ul style="list-style-type: none">• Computer scientists• Mechanical Engineer



Team	Description	Job Title
	<ul style="list-style-type: none">• Work closely with peers to ensure safe conditions for all team members on the spacecraft• Manage life support systems and emergencies as they emerge	<ul style="list-style-type: none">• Systems Engineer• Environmental Scientist



Team	Description	Job Title
	<ul style="list-style-type: none">• Examine different Martian rocks for key elements and minerals• Research and map possible dig sites for important minerals	<ul style="list-style-type: none">• Geologist• Land Surveyor



Team	Description	Job Titles
	<ul style="list-style-type: none"> • Provide communication support between astronauts and Mission Control • Locate and reprogram missing communication satellites 	<ul style="list-style-type: none"> • Communication Engineer • Information Technologist
	<ul style="list-style-type: none"> • Calculate and plot the course for the Spacecraft to navigate to the surface of Mars • Perform critical pre-flight checks to ensure MTV is ready to fly 	<ul style="list-style-type: none"> • Pilot • Aerospace Engineer
	<ul style="list-style-type: none"> • Build and test a remotely operated vehicle to search for signs of water • Decide which components are critical to collect and transmit data 	<ul style="list-style-type: none"> • Electrical Engineer • Mechanical Engineer
	<ul style="list-style-type: none"> • Locate a missing satellite and track other objects in the Martian sky • Track and observe dust storms on the Martian surface 	<ul style="list-style-type: none"> • Meteorologist • Space Weather Forecaster
	<ul style="list-style-type: none"> • Monitor the health of the crew with a focus on radiation exposure • Run various medical diagnostics on different team members 	<ul style="list-style-type: none"> • Medical Doctor • Nurse
	<ul style="list-style-type: none"> • Testing soil to determine the presence or absences of microbes • Checking the spacecraft for signs of beneficial or harmful bacteria 	<ul style="list-style-type: none"> • Biologist • Astrobiologist
	<ul style="list-style-type: none"> • Execute basic programs for unmanned rovers to gather their payloads • Test the various capabilities of robot arms 	<ul style="list-style-type: none"> • Computer Scientists • Mechanical Engineer
	<ul style="list-style-type: none"> • Work closely with peers to ensure safe conditions for all team members on spacecraft • Manage life support systems and emergencies as they emerge 	<ul style="list-style-type: none"> • Systems Engineer • Environmental Scientist
	<ul style="list-style-type: none"> • Examine different Martian rocks for key elements and minerals • Research and map possible dig sites for important minerals 	<ul style="list-style-type: none"> • Geologist • Land Surveyor