

Tips for preparing a crew manifest (Rendezvous/Mars/Moon/Scientist)

Follow the numerical order on the manifest for filling jobs. Match participant ability with described job tasks, pace, and reading ability.

Note: for Rendezvous and Scientist missions the astronaut work station is referred to as space lab/ moon and mars-spacecraft.

Navigators (Rendezvous, Mars, Moon)

This team works with one or two team members in Mission Control and the spacecraft/space lab. This is a crucial team for the pace of the mission, so choose carefully here. Team members will utilize computers to locate proper latitude and longitude points. Informational reading skills are very helpful.

Aeronautical Engineers (Rendezvous, Mars, Moon, Scientist)

This team works well with two members in Mission Control and two in the spacecraft/space lab, but placing one strong individual alone should work fine. This too is a crucial team for the pace of the mission, so choices should be made carefully. Informational reading skills are necessary as well as higher-level reading and communication skills. Mechanical skills can come in handy, but should not be considered essential for selection.

Communication Specialists (Rendezvous, Mars, Moon, Scientist)

This team works best with one team member in Mission Control and one in the spacecraft/ space lab. Team members should have good speaking and organizational skills. Ability to multi-task, prioritize and work under pressure is helpful. In large missions, there will be two team members per side and jobs will be divided up.

Robotic Specialists (Mars ONLY)

This team will have one or two members in Mission Control and the spacecraft. Team members should be patient, as well as proficient with regard to computer skills. Job involves basic coding. May use robotic arm depending on pace.

HazMat Specialists and Robotic Specialists (Rendezvous, Moon, Scientist, EXCLUDING Mars)

This team will have one member in Mission Control and the spacecraft/ space lab. The team members should have good hand-eye coordination and high frustration tolerance. Kinesthetic learners do well at this station. once the task is learned, the job is repetitive with minimal reading. This team works at their own pace.

SAM/ Solar Array Monitors (Rendezvous, Moon, Scientist)

This team will have one member in Mission Control and one in the spacecraft/space lab. The team members will encounter vocabulary about micrometeoroids and solar arrays and they will enter data into a chart.

Life Support Specialists (Rendezvous, Mars, Moon, Scientist)

This team will have one or two members in Mission Control and the spacecraft/space lab. If two members are on each side they will work together on the same task. The Life Support team members will read a variety of gauges and may use basic lab equipment including a test tube, beaker, graduated cylinder, eyedropper, etc. They are likely to encounter major emergencies; ability to work under pressure is helpful. Non-repetitive, continually reading and collecting new information.

Geologists (Moon, Mars)

This team will have one or two members in Mission Control and the spacecraft. If two members are on each side they will each work together on the same task. Geology team members will need the ability to observe, analyze and record data. Good written communication skills including the ability to use descriptive phrases are helpful. Team members will examine rock samples (In Mars ONLY, team members will use a robotic arm)

Biologists (Rendezvous, Mars, Scientist)

This team will have one or two members in Mission Control and the spacecraft/ space lab. If two members are on each side, they will work together on the same task. Biology team members will need the ability to make careful observations as well as analyze and record data.

Space Weather Forecasters (Rendezvous, Mars, Moon, Scientist)

This team will have one member in Mission Control and one in the spacecraft/space lab. Team members will conduct research, monitor solar flares, or Martian dust storms. Team members should be comfortable encountering unfamiliar concepts and vocabulary. (Job is time sensitive in Mars mission.)

Medical Doctor (Rendezvous, Mars, Moon, Scientist)

This team can work with one or two members in Mission control and one or two in the spacecraft/space lab. This is a good location for pairing member who would benefit from working with a partner.