

Grad student topic suggestions:

Pre space-age studies of Mars
Martian moons
Mars geophysics and InSight mission
Formation and differentiation of Mars
Heavy bombardment of Mars (origin, timing, effects on Mars)
Mars meteorites
Magnetics (former, remnant)
Crustal composition and evolution
Mineralogy, especially secondary alteration
Impact cratering
Use of craters for dating landscapes
Volcanism
Tectonism
Mass wasting
Eolian processes and history
Fluvial processes and history
Glaciation
Present-day atmosphere
Atmospheric methane controversy
Ancient climate change
Origin and history of water
Prospects for ancient life
Prospects for present-day (extant) life
Future robotic exploration
Future human exploration
Mars Science Lab (Curiosity) results
Mars Exploration Rovers (Opportunity and/or Spirit) results
Mud volcanism
In situ resource utilization
Engineering colonies on Mars
InSight mission results
SpaceX Mars colonization
Mars exploration by China
Mars Sample Return
Suggest any other topic