Requirements and Expectations for Participation in the Virtual Level One Analog Astronautics Training Program

We are thrilled to announce the opportunity for a select group of trainees to engage in our Virtual Level One Analog Astronautics Training Program. This initiative aims to provide hands-on experience and training that will significantly contribute to your understanding and expertise in space exploration, research and missions. This is the first step for a real life experience as an analog astronaut. As a trainee in the Virtual Level One program, successful completion with a satisfactory grade is a prerequisite to apply for the subsequent In-Person Low-Fidelity Astronautics Training Program, held in the Mojave Desert, California. Upon completion of this stage, you will have the opportunity to advance to higher-level training programs at various challenging locations worldwide. For more detailed information on the progression, please refer to the diagram provided below.

*Upon applying to the In-Person / Low-Fidelity / Mojave Basecamp, the participant must take a psychological and medical test.
**The Puerto Rico Space Foundation will support all participants that pass the psychological and medical test to attain R&D grants, sponsorship and scholarships that have a direct impact on Puerto Rico.
Key Details of the Virtual Level One Analog Astronautics Training Program

Duration: 6-day intensive program

Kick-Off Session
Wednesday, March 13th, 2024
7 PM to 9 PM (2 hours)

Intensive Weekend Training
Saturday, March 16th and Sunday, March 17th, 2024
1 PM to 5 PM (4 hours)

Midweek Check-In
Wednesday, March 20th, 2024
7 PM to 9 PM (2 hours)

Final Weekend Immersion
Saturday, March 23rd and Sunday, March 24th, 2024
1 PM to 5 PM (4 hours)

Participant qualifications: aged 18+
Application deadline: March 9th, 2024 by 7PM AST/3PM PDT
Register: https://www.prospacefoundation.org/maars
Seminars: via Zoom platform
Crew Communication: Slack platform provided by MMAARS
Cohort Communication: WhatsApp
Program

Introduction to MMAARS and Analog Astronautics: Introduction to Astronautics, Analog Types, Architecture of an Analog Mission, Remote Teams, Crew Selection

Introduction to Space Medicine / Space Medics: Introduces Space Medicine, Robotic Surgery (AvatarMEDIC), Space Tele Anesthesia-Telesurgery, UAVs

Introduction to 3D Printing: Introduces 3D Printing, 3D Printing for Space, 3D Printing for Medical Tools and Life Support Systems

Introduction to Space Health & Wellness: Introduces Space Health, MMAARS Astro-Wellness Program, Space Psychology & Human Factors


Introduction to Space Foundries, Pharmacy and Biomedical Engineering: Introduces Space Pharmaceuticals and Plant Medicine and Biotechnology Fundamentals

Introduction to DIY Hydroponic & Vertical Garden Systems: Synthetic Biology, Space Food Sustainability, Nutrition & Diet

Introduction to basics of Bioengineering techniques: Future of medical pharmaceuticals and Tissue Chips, Molecular Therapeutics, Precision Medicine