

#StudentAstronaut Contest

[[More Details at "Xploration Station" on Facebook](#)]

For Students Age 16+ in High School or Undergrad

Enter to win a chance to experience what it's like to train like an astronaut!

Xploration Outer Space has partnered with [Project PoSSUM](#) to offer one winning student an opportunity to go through a Scientist-Astronaut training program (including an aerobatic High-G training flight) and be featured in an episode about suborbital science on FOX's Xploration Outer Space. PoSSUM, an acronym for "Polar Suborbital Science in the Upper Mesosphere" is a non-profit, international research program studying our upper atmosphere using next-generation commercial spacecraft.

WHAT DO YOU WIN?

The winner of the #StudentAstronaut Contest will learn what it takes to become a Scientist-Astronaut! They will go through the PoSSUM Academy in October with the host, [Emily Calandrelli](#), and be featured in a Season 2 episode of FOX's Xploration Outer Space. The episode will explore the new industry of suborbital science and what students will need to know to be part of this exciting new wave of research.

PoSSUM Academy is a training program that is designed and instructed by former NASA astronaut instructors and PoSSUM team scientists. In PoSSUM Academy, candidates learn about the upper atmosphere while training to perform a suborbital PoSSUM experiment to study elusive "space clouds" called noctilucent clouds. Candidates also learn to operate PoSSUM instruments, conduct simulated missions inside a pressurized spacesuit, and even simulate suborbital mission profiles through aerobatic flight with legendary aerobatic pilot, Patty Wagstaff.

HOW DO YOU ENTER?

The #StudentAstronaut Contest will be a video contest. Video applications must be submitted to our [Facebook Page](#). Application instructions are available on Xploration Station's Facebook Page and at www.StudentAstronaut.com

We are looking for a student who is passionate about space exploration and science. We want someone who understands the importance of communicating science to others and will be able to share their experience effectively with others through social media or on other platforms. Deadline to enter is September 1st, 2015. Filming will occur on October 15th-17th.

POSSUM ACADEMY (www.projectpossum.org)

PoSSUM Academy is a hands-on and immersive program hosted at the Embry-Riddle Aeronautical University designed for high-school and undergraduate students interested in upper atmospheric research and manned spaceflight. PoSSUM Academy focuses on providing students a general understanding of the [PoSSUM Program](#) with a conceptual understanding of the mesosphere, noctilucent cloud dynamics, observational methods and history, noctilucent cloud structures, aerospace physiology, and life support systems relevant to suborbital flight.

The winner of the #StudentAstronaut Contest will receive the following training:

1. High-G and microgravity Space Physiology flight with Patty Wagstaff using a Super Decathlon aerobatic aircraft
2. Mission simulation and Crew Resource Management Training in PoSSUMSim
3. Spacesuit Training (don, doff, regulating pressure, basic mobility)
4. Full Scientist-Astronaut Mission simulation training in spacesuits in PoSSUMSim
5. Individual instruction on PoSSUMCam and scientific video camera systems