

Space Camp Institute

S T A I R S P R O G R A M

SIMULATION • TRAINING • AI • INNOVATION • ROBOTICS • STEM

NADPH



What is the Space Camp Institute STAIRS Program?

The Space Camp Institute STAIRS Program is a premier national workforce training and innovation experience jointly delivered by NADPH and the U.S. Space & Rocket Center (USSRC). Participants in this program will engage in advanced AI and robotics model development, real-world data challenges, and innovation hackathons—all within the inspiring environment of the Space & Rocket Center campus.

Key program highlights include:

- **On-site learning at the USSRC** in Huntsville, AL, surrounded by historic and modern space technologies that inspire innovation.
- **Hybrid access options**, enabling participation from anywhere in the U.S. via virtual learning, collaboration platforms, and remote project work.
- **NASA-aligned challenges** that foster creativity, problem-solving, and innovation in support of U.S. goals in science, technology, and public benefit.

Why Join?

The U.S. Space & Rocket Center (USSRC) in Huntsville, Alabama is the official visitor center for NASA's Marshall Space Flight Center, home to Space Camp®, and a key member of the NASA family. The USSRC plays a vital role in advancing STEM education in support of NASA's mission and America's leadership in science, technology, and space exploration. Through participation in this program, you will:



Build Real Skills

Hands-on work with AI, robotics, and advanced problem-solving



Boost Your Career

Gain credentials and experience recognized by employers and agencies



Learn in an Iconic Setting

Train at the U.S. Space & Rocket Center, a NASA visitor center and global STEM education leader



Enjoy Hybrid Flexibility

Participate on-site in Huntsville or online from anywhere



Make an Impact

Work on projects that support NASA's objectives and national STEM priorities

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How it Works

- 1) **Apply & Join** – Become part of a dynamic, mission-driven training community
- 2) **Train & Innovate** – Learn through simulations, challenges, and collaborative projects
- 3) **Compete & Showcase** – Demonstrate your skills in data challenges and hackathons
- 4) **Launch Your Future** – Use your experience to secure internships, jobs, and advanced education opportunities

Who can Join?

Students, recent graduates, early-career professionals, and career changers from all backgrounds who want to make an impact in STEM. We especially welcome applications from women, rural residents, and historically underrepresented communities.

Ready to Take the Next Step?

- Seats in this program are limited. Attend a special Program Briefing to learn how to join this unique NASA-affiliated training experience and secure your spot.
- Attendees of the Program Briefing will receive priority consideration for early application review and scholarship opportunities.
- Don't miss your chance to learn, create, and innovate in one of the most inspiring STEM environments in the country.

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The Space Camp Institute STAIRS Program, powered by NADPH in partnership with the USSRC, is building the talent that will shape the future of technology, health, and innovation while supporting NASA's mission and America's leadership in STEM.

What is STAIRS?

The STudent AI Innovation and Research Success (STAIRS) Program is a national training and workforce development initiative built on NADPH's extensive work with respected organizations including the CDC, NIH, PCORI, RWJF, and others. This work involved partnering directly with communities of diverse backgrounds to deeply understand the policy, social, educational, and technical factors influencing their awareness, readiness, and capacity to participate in the AI innovation enterprise.

From this foundation, NADPH developed a proven innovation experience model for successfully delivering hands-on, experiential learning that equips students and early-career professionals with practical, high-demand skills in applied artificial intelligence, robotics, data science, critical problem solving, and innovation. Through immersive challenges, mentorship, and real-world projects, STAIRS participants gain the knowledge, experience, and confidence to lead in the industries shaping the future of technology—from healthcare to biotechnology, and beyond.