

SPACE SYSTEMS COMMAND

CHIRP

CYBER HALO INNOVATION RESEARCH PROGRAM

Education and Experience for the Cybersecurity Roles of the Future



The Space Systems Command (SSC) Cyber Halo Innovation Research Program (**CHIRP**) was established as a partnership between colleges, universities, and industry to drive innovation and create a diverse pipeline of talent in cybersecurity to fill positions at SSC and beyond.

CHIRP is a collaboration between Space Systems Command (SSC), Pacific Northwest National Laboratory (PNNL), your college or university, and industry partners that offers students a two-year college to career program opportunity.



Pacific Northwest
NATIONAL LABORATORY

THE WORLD IS CHANGING. ARE YOU READY?

As a CHIRP participant, you will:

- Participate in cybersecurity internships at SSC, PNNL, or other industry partners
- Complete a one-week professional development experience at PNNL
- Access academic financial support through a Space Cyber Research Scholarship. Commit to one year of work at SSC or an approved industry partner for each year of Space Service Scholarship support

Guidelines and Eligibility

Interested students who are studying cybersecurity or a related field may apply to CHIRP in the spring of their sophomore year. Accepted students will begin the program during the summer before their junior year and will commit to a full two years of participation. To meet and maintain eligibility, you must:

- Maintain a 3.0 GPA in your major
- Meet with the CHIRP manager or your assigned advisor every semester
- Participate in career, curriculum, and experience pathways and required CHIRP events, including the Summer Institute, research experiences, and a summer internship

Application Details

To be considered for CHIRP, you will need to complete the following steps. Guidance is available from the program manager to help you move through the process.

1

Complete the CHIRP application

2

Submit an essay that highlights your personal and professional goals

3

Submit your transcripts as evidence of academic progress (with GPA)

4

Solicit, collect, and submit two letters of recommendation

5

Complete an interview

Areas of Focus

As part of CHIRP, you will:

- Work towards solving cybersecurity-related research and development problems using tools and methods that are directly applicable to SSC
- Gain skills and techniques that are directly applicable to protecting our nation's space-borne assets
- Build your network of contacts at SSC, PNNL, and in the space industry

Your participation and training will open pathways for you in information technology, computer science, intelligence (national security), network security, cyber analysis, incident response, cyber policy, data architecture, continuity of operations, data analytics, machine learning, artificial intelligence, secure software development, and other cybersecurity-related fields.

Contact Information

For more information or to indicate your interest in CHIRP, please email:

CHIRP@PNNL.GOV