Rose State College GenCyber camp information

Camp Format

The Rose State College GenCyber camp will take place on the campus for five days from **July 15-19, 2024**. Camp is FREE, so to reserve your place, register early: https://www.rose.edu/content/academics/academic-divisions/business-information-technology/center-for-cyber-security-education/gencyber-summer-camp/. Camp activities will run from **9 AM - 4:00 PM**, including six hours of daily instruction and a provided lunch. No computer knowledge is needed! All activities are designed to gain the interest of 9-12 graders. Siblings, cousins, and friends in grades 9-12 are encouraged to attend.

Pre-Camp Activities

We will conduct 15 hours of FREE pre-camp activities in five parts. We will begin pre-camp activities on March 2, 2024 and continue through April 13, 2024. Attend live for experience our campus or attend virtually with a Zoom link provided to all registered participants

Pre-Camp Schedule

(Parent drop off and pickup is in the Seminar Rom of the Tannenbaum Aerospace & Cybersecurity Center, labeled as Building 24 on the map at the end of this document. There is no parking fee or tag needed.

Day 1: Forensics & OS Block (3 hours: 9:00 AM to Noon) - March 2, 2024
   1. Cyber Laws and Ethics
   2. Introduction to Linux and the Command Line (Veronica)
      15 minute snack
   3. Network Traffic Analysis

Day 2: Cryptography, Hardware & Intro to Programming Block (3 hours: 9:00 AM to Noon) – March 9, 2024
   1. Network cable making
   2. Cryptography Intro
      15 minute snack

3. Intro to Scratch Programming

Day 3: Web Vulnerabilities (3 hours: 9:00 AM to Noon) - March 30, 2024

1. Web Application Security
2. Man-in-the-middle attacks
   15 minute snack
3. Scratch Graphics

Day 4: Reverse Engineering & Game Design (3 hours: 9:00 AM to Noon) – April 6, 2024

1. Intro to Machine Code
2. Static Analysis
   15 minute snack
3. Scratch Game Design

Day 5: Vulnerability Research & Intro to Python Block(3 hours: 9:00 AM to Noon) – April 13, 2024

1. Stack Buffer Overflows
   15 minute snack
2. Guest Speaker

ROSE STATE COLLEGE
6420 S.E. 15th, Midwest City, OK 73110
(405) 733-ROSE

Parking
Faculty/Staff Parking
Information Sign
Bus Stop

LEGEND
1. Larry W. Nutter **Administration Building** – AD
2. Russell Vaught **Humanities Building** – HU
3. James F. Howell **Social Sciences Building** – SS
4. **Engineering Technology Building** – ET
5. E. T. Dunlap **Learning Resources Center** – LRC
6. **Lecture Hall** – LH
7. **Physical Plant** (Maintenance)
8. Henry Croak **Science and Math Building** – SM
9. George Epperly **Business Building** – BS
10. H. B. Atkinson **Theatre** – TH
11. **Fine Arts Building** – SM
12. **Logo Tower**
13. John Garrett **HPER Aquatics/Wellness Center** – HPE
14. Jeanie Webb **Student Union** – SU
15. Don S. Reynolds **Student Services Building** – SSB
16. Susan Catlett Loveless **Center** – CD
17. **Diversity Center** – DC
18. **Amphitheatre** – AMP
19. Rose State College Hudiburg **Chevrolet Center** – CC
20. **Community Learning Center** – CLC
21. **STEM Center** – ST
22. **Allied Dental Education Building** – ADE
23. **Shipping and Receiving Building**
24. **Tanenbaum Aerospace & Cybersecurity Center** – TACC
25. **Health Sciences Center** – HSC
26. The Village **Student Housing** – Student Housing