Current Activities

Cyber Security Lab
- Dedicated space to prepare students for competitions.
- Isolated from UNH CIDR block (132.177.0.0/16).
- Virtualized environment (2 VMWare servers).
- 10 Student workstations (Mix of Windows and Linux systems).
- Range of networking gear (Cisco, Palo Alto, Enterasys, pfSense).

Student Competitive Team
- Team is a dozen students; and typically, junior/senior CS and IT majors.
- Regularly competes each year in hosted events: National Collegiate Cyber Defense Competition (NCCDC), Collegiate Penetration Testing Competition (CPTC), CSAW, CyberSeed, and National Cyber Analyst Challenge.
- Chris Neveu and Dustin LaMiaux from Liberty Mutual provide mentor support.

Student Cyber Club
- Weekly meetings during the semester.
- Student organized and open to all majors.
- Attendance ranges from 10 to 30 students based on topic.
- Typical meeting topics: TOR, Web hacking, Wireshark, Kali, VPN, Bitcoin, and Python.
- Monthly boot2root challenges.
- Occasional industry speakers.
- Online event participation: CSAW, National Cyber League, Hack-the-box, HackerOne, and iCTF.

NSA Center of Academic Excellence – Cyber Defense Education
- Application submitted, expect a decision this spring.
Goals
• Have UNH recognized as a cybersecurity center of academic excellence
• Position UNH as a critical regional cybersecurity resource
• Facilitate real world learning experiences for students
• Provide industry access to students interested in cybersecurity
• Facilitate collaborative multi-disciplinary cyber research

Events
• NSF grant proposal (pending) Host two residential GenCyber camps for high school students.
• Student participation in the regional National Guard exercise “Cyber Yankee”.
• UNH hosting a regional cyber event for government and industry professionals.

Student Engagement
• Hackathons: For UNH students: https://hackathon.iol.unh.edu/. Run by UNH students (high school/industry)
• Directed research and projects.
• Build out of an environment for malware analysis: “Attack Lab”, in cooperation with Dell.
• Cyber curricula and exercise development for K-12

Industry & Government Engagement
• Define services to be delivered by faculty mentored student teams
• Needs survey for local government and small/medium businesses in NH.

Other
• Communications; web and social media; public and on-campus
• Sponsorships
• Industry and Government outreach

More….?