

John Creger

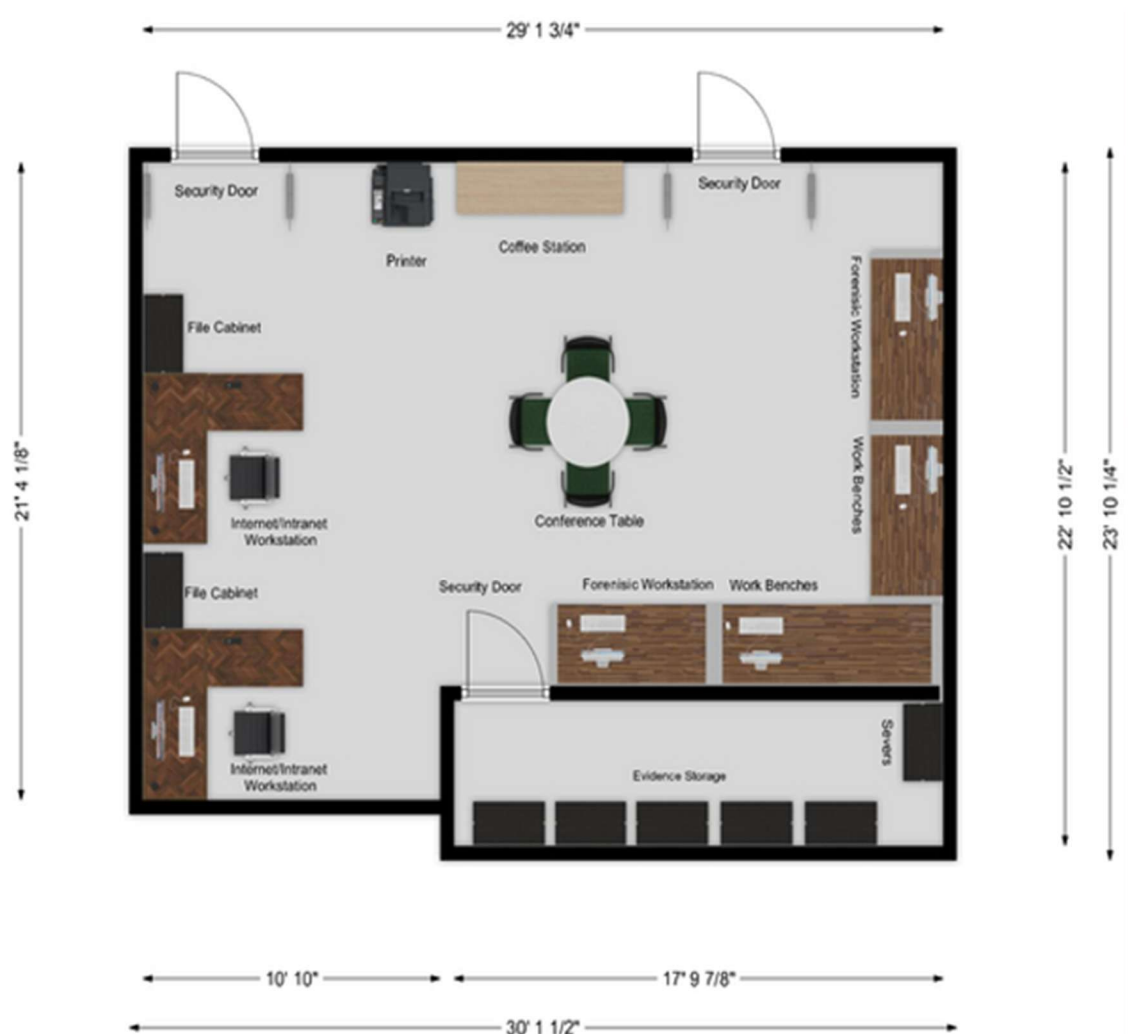
CYSE 407

UIN 01154971

## Ashland Police Department Digital Forensics Lab

### Physical Layout

The physical layout of the lab, shown below, will be a state-of-the-art ISO compliant lab with two points of entry with locking security doors. It will have two workstations for internet and intranet as well as four standalone machines on workbenches for forensic investigations. The evidence locker will be capable of storing a minimum of 20 cases and will be secured behind a locking security door. A conference table will be provided for collaboration with outside agencies when necessary.



## Inventory of Equipment

### 1. Hardware

- a. Server provided by the existing network within the department
- b. Computers
  - i. (4) Phantym-E workstations with monitors
  - ii. (2) Thin Client workstations with monitors connected to server
  - iii. (1) Phantym mobile lab laptops for mobile team
- c. (4) Tableau TK8U USB 3.0 forensic bridge kit
- d. (2) Tableau TX1 Forensic Imager
- e. Cables and Adapters
  - i. Tableau TC6-8 IDE Signal Cable
  - ii. Tableau SATA Signal Cable
  - iii. Tableau TC5-8-R2 3M power to SATA power
  - iv. Tableau Unified SAS Cable (3M connector)
  - v. Tableau 4p-9p FireWire400/800 Cable Adapter
  - vi. Tableau 6p-9p FireWire400/800 Cable Adapter
- f. Printer (1 ) Xerox Versalink C625 Color Multifunction Printer
- g. Evidence Storage
  - i. (5) Mission Darkness™ Blocker Locker 7

### 2. Software

- a. Autopsy
- b. FTK Tool Kit
- c. Sleuth Kit
- d. OS Forensics
- e. WinHex

### 3. Furniture

- a. (2) L-Desk with chairs
- b. (4) Wook Benches with stools
- c. Conference Table with chairs

### 4. Administrative

- a. Paper
- b. Pens
- c. Paper clips
- d. Stapler
- e. Laminator
- f. Label Maker
- g. Sticky Notes

## Staffing

1. (1) Senior Digital Forensics Manger
  - a. Job Description- Ashland Police department seeking a Senior Digital Forensics Manger. You will be responsible for accreditation, maintenance, and staffing for a medium sized digital forensics lab. You will provide technical oversight of all investigations and will deliver expert testimony when required.
  - b. Qualifications-
    - i. Bachelor's Degree in Cyber Security, Computer Science or related field.
    - ii. Minimum of 5 years in Digital Forensic experience
    - iii. Proficiency in Autopsy, Sleuth Kit, OS Forensics, FTX Tool Kit
    - iv. Strong knowledge of file systems, cloud computing and networking
    - v. Professional Certifications are strongly encouraged
    - vi. Strong Analytical problem solving skills are mandatory.
  - c. Salary- Based on Experience
  - d. Location- Ashland Va. Not a remote position
2. (2) Digital Forensics Specialist
  - a. Job Description- Ashland Police department seeking a Senior Digital Forensics Analyst. You will be responsible for accreditation, maintenance, and staffing for a medium sized digital forensics lab. You will provide technical oversight of all investigations and will deliver expert testimony when required.
  - b. Qualifications-
    - i. Bachelor's Degree in Cyber Security, Computer Science or related field.
    - ii. Minimum of 1 years in Digital Forensic experience
    - iii. Work knowledge of Autopsy, Sleuth Kit, OS Forensics, FTX Tool Kit
    - iv. Knowledge of file systems, cloud computing and networking
    - v. Professional Certifications are strongly encouraged
    - vi. Strong Analytical problem-solving skills are mandatory.
  - c. Salary- Based on Experience
  - d. Location- Ashland Va. Not a remote position

## Accreditation

The Ashland police department will be an accredited laboratory conforming to the standards set forth in ANSI National Accreditation Board (ANAB). The police department i.e. conformity assessment bodies (CAB) will request accreditation via the FA 3037 Application for accreditation. The application will be in accordance with ISO 17020 and 17025 within the Document Examination discipline. Once requirements are met and meet the criteria withing ISO/IEC 17025, 17020 and AR 3125 an onsite survey will be conducted by an ANAB team. The ANAB will complete the applicable ANAB conformance checklist ensuring that all requirements are met. This checklist will be made available to the CAB 45 days prior to the onsite survey to provide adequate time to prepare. The ANAB team will evaluate objective evidence of conformance, competence and effectiveness by observing personnel performing task, interviewing personnel and a thorough document review. After the onsite survey, the CAB will

have 60 days to report that deficiencies identified during the inspection were corrected. Upon successful resolution of all nonconformities, the CAB will be provided with a Certificate of Accreditation and the corresponding Scope of Accreditation.

## References

1. “10 Useful Digital Forensics Software in 2024.” *Salvation DATA*, 25 Dec. 2023, [www.salvationdata.com/knowledge/digital-forensics-software/](http://www.salvationdata.com/knowledge/digital-forensics-software/).
2. “Create 2D & 3D Floor Plans for Free with Floorplanner.” *Floorplanner*, [floorplanner.com/](http://floorplanner.com/). Accessed 21 June 2024.
3. *FCI Home Forensic Computers, Inc*, [www.forensiccomputers.com/](http://www.forensiccomputers.com/). Accessed 19 June 2024.
4. “MOS Equipment.” *MOS Equipment*, [mosequipment.com/](http://mosequipment.com/). Accessed 19 June 2024.
5. MA 3033, Accreditation Manual for Forensic Laboratories, Forensic Inspection Bodies, and Property and Evidence Control Units Effective: 2024/03/12