

# Curriculum Vitae – Alexis Nelson

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## Professional Summary

Adjunct professor and former forensic scientist with seven years of crime laboratory experience and a strong record of developing and teaching hands-on courses in serology, bloodstain pattern analysis, and forensic photography. Skilled at translating complex forensic procedures into clear, applied learning experiences and committed to preparing students for real-world forensic careers through engaging, practice-based instruction.

## Education

Master of Science in Pharmacy – Forensic Science, University of Florida (2021)

Bachelor of Applied Science – Biotechnology, Utah Valley University (2015)

Associate of Applied Science – Biotechnology, Salt Lake Community College (2013)

## Academic Appointments

### Adjunct Professor, Utah Valley University (2022–Present)

- Courses taught: Forensic Serology, Forensic Photography, Bloodstain Pattern Analysis, Crime Scene Investigation I.
- Designed lab exercises, assessments, and curriculum aligned with program outcomes for Forensic Serology.
- Facilitated hands-on demonstrations and student mentorship.

## Professional Experience

### Forensic Scientist I/II – Serology, Utah Bureau of Forensic Services (2015–2019)

- Serology screening, body fluid identification, DNA extraction (manual & robotic).
- Court testimony, internal audits, accreditation compliance.
- Managed interns and contributed to validation studies.

### Forensic Specialist, Utah Bureau of Forensic Services (2011–2015)

- Evidence intake, documentation, chain of custody, case management.
- Intake of 2,000+ untested sexual assault kits.
- Supported crime-scene and forensic training initiatives.

### **Intern, Utah Bureau of Forensic Services (2010–2011)**

- Assisted QA manager with accreditation SOPs and laboratory documentation.
- Supported bloodstain pattern training and conducted research-based projects.

### **Presentations & Instruction**

- Crime Scene Specialist Training (Instructor/Co-Instructor, 2015–2018): photography, packaging, serology, SAECK collection, mock crime scenes.
- NWAFS Conference Presentations (2017): RSID Semen implementation; Sexual Assault Kit Backlog reduction.
- Fingerprint Detection/Enhancement workshops (2015): photography instruction for law enforcement.
- 'What Is Forensic Science?' JATC (2011–2018).
- Expanding Your Horizons Workshops (2013–2018).

### **Service & Outreach**

- Educational outreach to K–12 and college audiences on forensic science.
- Mock crime scenes, forensic workshops, and STEM engagement events.
- Law enforcement training sessions across Utah.

### **Specialized Training**

- Tri-Division Educational Conference (2010, 2019)
- HID University Seminar (2018)
- International Firearms Specialist Academy (2018)
- Western States Joint Conference (2018)
- NWAFS Conference (2017)
- Fujifilm Forensics IR Camera System Training (2017)
- IABPA Conference (2016)
- Professional Orientation School for Crime Laboratory Scientists (2014)
- Advanced Crime Scene Academy (2013)

### **Certifications**

Certified Firearms Specialist – International Firearm Specialist Academy (2019)

### **Technical Skills**

- Serology screening, DNA extraction (manual & automated).
- Forensic photography, IR systems, bloodstain pattern analysis.
- Chain of custody, LIMS systems, accreditation documentation.
- Teaching, curriculum design, lab-based instruction.