

Brent A. Horn, Ph.D.

Weber State University, Department of Criminal Justice
Salt Lake City, UT 84119
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Education

- 2001 Ph.D. Chemistry, Brigham Young University, Provo, UT 84604
- 1997 M.S. Chemistry, California Institute of Technology, Pasadena, CA 91125
- 1995 B.S. Chemistry, Brigham Young University, Provo, UT 84604

Experience

- 2011-present Associate Professor, Director of Weber State University Forensic Science Programs, Department of Criminal Justice, Weber State University, Ogden, UT 84408 (full time, tenured)
- 2005-2011 Assistant Professor, Coordinator of Weber State University Forensic Science Program, Department of Criminal Justice, Weber State University, Ogden, UT 84408 (full time, tenure track)
- 2005-present Forensic Scientist II, Chemistry Section, Utah State Crime Lab, Salt Lake City, UT (part time, volunteer status)
- 2003-2005 Member of the Technical Staff, Technology Applications Department, Sandia National Laboratories, Livermore, CA 94551
- 2001-2003 Post-Doctoral Associate, Microfluidics Department, Sandia National Laboratories, Livermore, CA 94551

Associations

- American Board of Criminalistics, Fellow Drug Analysis (2010)
- Member Utah International Association for Identification
- Member American Chemical Society

~~Member International Association of Forensic Chemists (IAFC)~~

Forensic Science Training

Basic 35 mm Crime Scene Photography-40 hour (May 2005)

Basic Fingerprint Pattern Interpretation and Comparison-8 hour (Aug 2005)

Interference in Fire Debris Analysis and Interpretation of Data from Complex Samples-8 hour (Feb 2006)

Forensic Applications of Adobe Photoshop-8 hour (May 2006)

Blood Stain and Bullet Pattern Analysis-24 hour (April 2007)

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Association of Identification Spring Conference, Harrisville, UT, Jun 2008.

Research Interests

Fingerprint imaging and enhancement

Glass fracturing mechanisms