

P.O. BOX 1210
LAS CRUCES, NEW MEXICO 88004-1210

Telephone: 575-527-0202
Fax: 888-317-5661



BRAD BAKER, CCO, CCPA, CCPO

LICENSES

State of Colorado Peace Officer No. 119746

EXPERIENCE

Evans and Associates, 02/2021 – Present. Digital Forensics Specialist. Provide digital forensics analysis including cell phones, geospatial, GPS, computer, vehicular, chip swap, and data acquisition.

Baker Labs, 06/2010 - Present. Owner. Digital consulting services for public and private entities. Geospatial forensics automation software production.

Denver Police Department (Denver, CO), 06/2015 – Present. Detective in Major Crimes Bureau (02/2020-Present) Member of a specialized team focusing on digital forensics and part of the US Secret Service Cybercrimes Task Force including highly complex investigation management, murder, officer involved shootings, high-profile incidents, mass-casualty shootings, and other state and federal investigations. Involvement in all investigations focused on digital forensics including cellular, geospatial, computer, vehicular, internet, social media, and audio/video.

Platteville Police Department (Platteville, CO), 01/2006 – 06/2015. Seargent, Investigator, Corporal, and Patrol Officer. Involved in all digital forensics investigations in addition to day-to-day police activities.

Fiserv, 04/2004 – 12/2005. Network engineer, deployed enterprise datacenters, multi-layered firewalling and networking, high availability and redundant systems utilizing various networking technologies and forensic review under FDIC / SEC guidelines and audits.

Echo Geophysical, 10/2003 – 04/2004. Network engineer managing supercomputing environments for processing geophysical survey data. Streamlining large data processing and exports.

Arapahoe Community College, 10/2000 – 01/2001. Part-Time Computer Information Systems Instructor. Taught advanced coursework in the CIS department in a lab environment.

American Internet, 05/1998 – 10/2003. Chief Technology Officer. Constructed a nation-wide internet service provider from the ground-up leveraging new and existing technologies. Pioneered several technological solutions still in use today. Operated several smaller ISP's under the American Internet umbrella with an integrated approach. Provided consultation to other ISP's in the nation.

SPECIALIZED TRAINING AND CONTINUING EDUCATION

08/2025 **Precision Cellular Analysis Level 2 (40 Hours) – Denver, CO**

Advanced cellular data record analysis techniques with topics specific to various providers, tower dump analysis, app and IP analysis, case studies, practical exercises, device tracking exercises, reporting and best practices.

07/2024 **Cellebrite Certified Premium Operator (14 Hours) – Dallas, TX**

Manufacturer certification for the use of Cellebrite Premium software for cellular telephone data preservation and extraction

04/2024 **Cellebrite Certified Operator (14 Hours) – Denver, CO**

Manufacturer certification for the use of Cellebrite UFED software for cellular telephone data preservation and extraction.

04/2024 **Cellebrite Certified Physical Analyst (21 Hours) – Denver, CO**

Manufacturer certification for the use of Cellebrite Physical Analyzer for cellular telephone data extractions.

03/2024 **Nighthawk Subject Matter Expert (40 Hours) – Englewood, CO**

SME course on cellular record analysis, timing advance interpretation, using the Nighthawk visualization tool to parse and validate call detail records, tower dumps, area dumps, and other data sources.

03/2024 **FBI Cellular Analysis Survey Team (16 Hours) – Denver, CO**

Cellular theory, records related to investigations from all cellular carriers, how to map cellular records and other geo-spatial records using CASTViz.

10/2023 **Shooting Incident Reconstruction (40 Hours) – Denver, CO**

Reconstruction of shooting incidents to include ballistic determination, blood spatter analysis, crime scene photography, measurements, materials, and other scientific considerations for reconstructing shooting evidence.

07/2023 **DDEx Advanced LEOVision Tradecraft (40 Hours) – Englewood, CO**

Advanced cellular data analysis, social media analysis, cellular network architecture, digital data exploitation and tradecraft, best practices, vehicle data analysis, app analysis, report preparation best practices for expert testimony, practical exercises, and case studies.

05/2023 **Digital Data Use in Criminal Investigations (8 Hours) – Denver, CO**

Examines the use of digital data and best practices with criminal investigations including cellular analysis, call detail records, social media, email, GPS, and other technologies.

04/2023 **Word Reconstruction Exposition (40 Hours) – Orlando, FL**



04/2022 **FBI Hostage / Crisis Negotiation (40 Hours) – Centennial, CO**

09/2016 **Crisis Intervention Team Training (40 Hours) – Denver, CO**

01/2014 **Background Investigations for Police Applicants (16 Hours) – Highlands Ranch, CO**

01/2014 **Intoxilyzer 9000 Instructor (8 Hours) – Denver, CO**

5/2013 **Glock Armorer's Course (8 Hours) – Denver, CO**

12/2012 **Leadership in Police Organizations (120 Hours) – Denver, CO**

05/2011 **Colorado Impaired Driving Conference (16 Hours) – Denver, CO**

02/2011 **Field Training Officer Development Course (40 Hours) – Broomfield, CO**

08/2010 **DNA Evidence Collection (8 Hours) – Greeley, CO**

EVANS & ASSOCIATES, INC.
Accident Reconstruction
& Forensic Analysis

05/2010

CCIC Coordinator (8 Hours) – Lakewood, CO

Colorado Crime Information Center Coordinator training for policies and procedures of agency designated coordinators, hosted by the Colorado Bureau of Investigations.

02/2010

CCIS Train the Trainer (8 Hours) – Greeley, CO

Colorado Bureau of Investigations certification as trainer for CCIC / CCIS Information Center Systems. CBI released a new interface for CCIC called CCIS, a tool for information exchange with the state and national databases.

09/2009

**Advanced Roadsides Impaired Driving Enforcement (16 Hours) –
Glenwood Springs, CO**

The Advanced Roadsides Impaired Driving Enforcement (ARIDE) is a 16-hour course which offers additional information to law enforcement officers on detecting impairment caused by more than just alcohol. Upon completion, the officer will be more proficient with the Horizontal Gaze Nystagmus (HGN), Walk and Turn (WAT), and One Leg Stand (OLS) tests and gain a broader knowledge of drug impairment indicators. The law enforcement officer will also be more familiar with the Drug Evaluation and Classification (DEC) Program and its function. This course also provides three additional tests for law enforcement officers to conduct, including Pupil Size Observations, Lack of Convergence, and Modified Romberg Balance tests. The training includes explanation of the relationship between eye observations and several drug categories and how they relate to drug impaired driving. Hosted by LEAD Impairment Training, the National Highway Traffic Safety Administration, and the Colorado Department of Transportation in Glenwood Springs, CO.

04/01/2009

**Standardized Field Sobriety Testing Instructor Course (24 Hours) -
Commerce City, CO**

Hosted by the Colorado Department of Transportation, certification and accreditation as an instructor for Standardized Field Sobriety Testing. Course topics including adult learning techniques, courtroom testimony, current trends with driving under the influence, classroom structure and logistics, hosting wet labs, and certification process of students. Includes recertification of SFST's

09/29-10/03/2008

Crisis Intervention Team Training (40 Hours) – Loveland, CO

Hosted by the Colorado Regional Community Policing Institute, a branch of the Colorado Division of Criminal Justice in cooperation with the National Alliance on Mental Illness. Classroom and scenario-based training with coaches for Crisis Intervention Teams to serve the needs of individuals experiencing mental health crises. Includes recognition of mental illness and enhancement of verbal crisis de-escalation skills.

08/13/2008

CCIC Level Q Certification (8 Hours) – Lakewood, CO

Certification course on CCIC/NCIC Level Q, certified operator for policy and records entry into the Colorado Crime Information Center and National Crime Information Computer systems.

07/18-19/2007

Rapid Response to Active Shooter Training (16 Hours) – Greeley, CO



Active Shooter and Tactical Response for Police, classroom and realistic scenario-based training hosted by the Advanced Law Enforcement Rapid Response Training Center, Texas State University. Recognized as the National Standard in Active Shooter Response Training by the Federal Bureau of Investigations.

04/17-18/2007 **Street Survival Seminar (16 Hours) – Denver, CO**

Classroom presentation on street survival tactics and considerations for police officers hosted by Calibre Press.

12/01-02/2006 **Internet Investigations (16 Hours) – Westminster, CO**

Seminar on Internet Investigation Tools and techniques hosted by Microsoft, Colorado POST, CDOL, Colorado Attorney General's Office. Topics include digital forensic analysis, digital evidence preservation, social media, online chat groups, and Microsoft operating systems.

05/15-16/2006 **Drug Law Enforcement Training Program (16 Hours) – Classroom, Colorado Springs, CO**

Drug Investigation Course provided by the Federal Law Enforcement Training Center, topics including technical and physical surveillance, patrol indicated drug investigations, contact and cover, source management, undercover operations, diverted pharmaceuticals, operational planning, drug recognition, roadside interviewing and interrogations, developing reasonable suspicion, looking beyond the ticket, enforcement options, clandestine laboratory safety, and marijuana cultivation investigations, Department of Homeland Security in Colorado Springs, CO

PROFESSIONAL ORGANIZATIONS / AFFILIATIONS

Digital Evidence Working Group, Denver Metro Area (DEWG)
Internet Society's Internet Engineering Task Force (IETF)
North American Network Operators Group (NANOG)
Law Enforcement & Emergency Services Video Association (LEVA)
Rocky Mountain Hostage Negotiators Association (RMHN)
Colorado Homicide Investigators Association (CoHIA)
International Homicide Investigators Association (IHIA)
US Secret Service Cybercrime Task Force (USSS CCTF)
Scientific Working Group on Digital Evidence (SWGDE)

PUBLICATIONS / PAPERS

As a (guest) member of the Scientific Working Group on Digital Evidence (SWGDE), I have contributed to multiple publications under the Forensics Committee to include best practices documents, recommendations, and position statements related to digital forensics. These papers are peer-reviewed and released for public comments. Upon final adoption and publication, the National Institute of Standards and Technology (NIST) ultimately incorporates much of the work into their standards documents. See www.swgde.org for links to published documents.



INSTRUCTION / LECTURE

Recurring instruction – “Digital data use in investigations” (Denver Crime Laboratory): I have trained hundreds of detectives, crime analysts, officers, and other law enforcement staff in best practices for the collection and analysis of digital evidence. Digital data use in law enforcement investigations with focus on cellular record analysis, social media records, cloud data (Apple iCloud, Google, etc.), email records, rideshare records, GPS (vehicle, ankle monitors, cellphones, etc.) analysis, ShotSpotter and video correlation. This is hands-on classroom instruction also provides students with practical exercises and case studies related to digital data in investigations.

Lecture - December 4, 2024 “Overview of Vehicle Device Forensics: Identification, Removal, and Acquisition of Digital Evidence using Berla and the Chip-Off Process” (Hosted by ATF): Illustrated the process for members of the digital evidence working group, including federal partners.

Prior recurring instruction – “Impaired Driving Enforcement” (Various locations): I have hosted and instructed courses related to impaired driving enforcement throughout the States of Colorado and Wyoming. I have trained and certified approximately 200 people in Standardized Field Sobriety Testing, DUI Detection, and Evidential Breath Alcohol Testing – including law enforcement, attorneys, and military personnel with curriculum provided by the National Highway Traffic Safety Administration on DUI Detection and enforcement, and the Colorado Department of Public Health and Environment.

Additionally, I hosted and instructed Colorado’s first “green lab” at the Windsor Police Department incorporating marijuana impairment detection with the National Highway Traffic Safety Administration curriculum for traditional impaired driving enforcement.

Prior recurring instruction - I have been a field training officer in both the San Jose FTO and Reno PTO Models. As a training officer in Platteville, I trained sixteen (16) law enforcement officers in the field. As a training officer in Denver, I trained twelve (12) law enforcement officers in the field. Both the FTO and PTO models include training and evaluation techniques, coaching, and adult learning strategies. Topics of training include Police Vehicle Operations, Conflict Resolution, Use of Force, Procedures, Policies, Laws & Philosophies, Report Writing, Leadership, Problem-Solving Skills, Community Specific Problems, Cultural Diversity & Special Needs Groups, Legal Authority, Individual Rights, Officer Safety, Communication Skills, Ethics, and Emotional Intelligence. I have participated in training (teaching) for crisis mediation, leadership, internal investigations, and technology in law enforcement.

During my time at Arapahoe Community College, I taught in a classroom laboratory environment, various students in the areas of HTML, PHP, Java, Python computer languages for Web Applications and back-end website development utilizing SQL databases.

