

# Curriculum Vitae

## Matthew E. Malhiot

Forensic Alcohol Consulting and Training LLC  
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www.ForensicAlcoholConsulting.com  
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### Areas of Expert Testimony Provided

Alcohol and the Human Body	Forensic Alcohol Toxicology
Pharmacokinetics of Ethanol	Pharmacodynamics of Ethanol
Intoxilyzer 5000 (64, 66, 68 & EN)	Intoxilyzer 8000
Standardized Field Sobriety Testing	Medial Legal Blood Conversion
Hand-held Breath Test Instruments (PBT)	Horizontal Gaze Nystagmus (HGN)
Retrograde Extrapolation	Widmark Calculations
State Administrative Rules for Alcohol Analysis	Breath Testing Training Curricula
Frye & Daubert Standard in Breath Testing	National Safety Council Standards
Methods of Alcohol Analysis	Infrared Breath Alcohol Analysis
Electro-Chemical Breath Alcohol Analysis	Quality Control Procedures
Forensic and Legal Aspects of Breath Alcohol Analysis	
Breath Alcohol Analysis, Theory and Operation	
Pharmacology and Toxicology of Ethyl Alcohol	

### Park University (Parkville, Missouri)

Bachelor of Science (Criminal Justice Administration)

### Indiana University

Center for Studies of Law in Action, The R. F. Borkenstein Course on Alcohol,  
Drugs and Highway Safety: Testing, Research and Litigation  
Center for Studies of Law in Action, Symposium on Blood and Breath Alcohol Test  
Program Management and Administration

### Southern Association of Forensic Scientists

Forensic Ethanol Analysis and Interpretation Presented by The Forensic Toxicologist  
Certification Board, Inc.

## **Florida Department of Law Enforcement Department Inspector Training Program**

Chemical and Physical Properties of Alcohol and Related Volatiles  
Pharmacology and Toxicology of Ethyl Alcohol  
Pharmacokinetics of Ethanol  
Pharmacodynamics of Ethanol  
Analysis of Biological Specimens  
Methods of Alcohol Analysis  
    Chemical Oxidation  
    Gas Chromatography  
    Infrared Breath Alcohol Analysis  
    Electro-Chemical Breath Alcohol Analysis  
Statistical Treatment of Data  
Quality Control Procedures  
Breath Alcohol Analysis, Theory and Operation  
    History  
    Intoxilyzer 5000 and 8000 Theory, Operation, Maintenance and Repair  
    Performing the Department Inspection  
Forensic and Legal Aspects of Alcohol Analysis

### **CMI Inc Factory Training and Certification**

Intoxilyzer 5000 Factory Maintenance Training Course, Breath Alcohol Analysis  
Instrument Operation & Maintenance  
Intoxilyzer 8000 Factory Maintenance Training Course, Breath Alcohol Analysis  
Instrument Operation & Maintenance  
Intoxilyzer 8000 Breath Alcohol Analysis Instrument Advanced Repair, Maintenance &  
Calibration  
Intoxilyzer 8000 Breath Alcohol Analysis Instrument Operation, Maintenance &  
Calibration  
Intoxilyzer 5000 Factory Instrument Operations and Instructor  
Intoxilyzer 8000 Factory Instrument Operations and Instructor  
Intoxilyzer 8000 Theory and Application  
Intoxilyzer 8000 Advanced Electronics  
Intoxilyzer 400 Operations, Maintenance and Calibration  
SD2 Accuracy Verification, Calibration Adjust, Field Checks, Maintenance & Repair  
SD5 Operation, Maintenance and Calibration  
Intoxilyzer 5000EN Interferent Calculations and Alcohol Concentrations

### **Guth Laboratory Factory Training and Certifications**

Basic Operation, Technical Aspects and Maintenance for the Guth Model 34C Simulator  
Basic Operation, Technical Aspects and Maintenance for the Guth Model 2100 Simulator  
Basic Operation, Technical Aspects and Maintenance for the Guth Model 590 Simulator

### **Montana State Department of Justice, Forensic Science Division**

Breath Test Specialist Certification, Intoxilyzer 5000  
Breath Test Senior Operator Certification, Intoxilyzer 5000  
Breath Test Technician Certification, Intoxilyzer 5000  
Re-certification completed as required through 2001

### **Florida Department of Law Enforcement (Professional Programs)**

Breath Test Operator, Intoxilyzer 5000 & Intoxilyzer 8000  
Agency Inspector, Intoxilyzer 5000 & Intoxilyzer 8000  
Department Inspector, Intoxilyzer 5000 & Intoxilyzer 8000  
Instructor Techniques

### **National Highway Traffic Safety Administration Training (NHTSA)**

DUI Detection and Standardized Field Sobriety Testing (S.F.S.T.)  
Drugs that Impair Driving  
DUI Detection and Standardized Field Sobriety Testing, Instructor/Trainer  
NHTSA Instructor / Facilitator Workshop  
NHTSA DUI S.F.S.T. Instructor Update(s)

### **Police Officers Standards of Training (POST) Training**

DUI Mobile Video Train the Trainer (Instructor Course)  
Law Enforcement Search and Seizure Workshop  
Drug Awareness

### **US Air Force Training**

USAF Police Academy

### **Other Agency Training**

Traffic Safety Responsible Alcohol and Tobacco Sales Training Instructor  
Cascade County, Montana, Reserve Deputy Training Program  
Recommended Standards for Breath-test Supervisors / Administrators  
University of Wisconsin Law School, Resource Center on Impaired Driving, Breath and Blood Testing in Wisconsin  
Wisconsin State Laboratory of Hygiene, Blood/Breath and Beyond  
Indiana State Department of Toxicology, Breath Test vs. Blood Testing  
University of Wisconsin, Physiology Department, Ethanol: Mechanisms, Dose and Effect  
Gaseous Ethanol Standards for Calibration of Breath Analyzers  
New Hampshire State Police Forensic Laboratory, Intoxilyzer 5000EN – Optical Bench

### **Other Agency Training (Cont.)**

Texas Department of Public Safety, How the Intoxilyzer 5000EN Determines Alcohol Concentrations

Colorado Department of Public Health, Unstable Reference and other Misc. Noise Problems (Intoxilyzer 5000EN)

Hawaii Department of Health, Infra-red Spectroscopy: How it relates to the Intoxilyzer 5000

Medical College of Ohio, Dr Robert Forney Jr. Toxicology of Alcohol

Pacific University College of Optometry, Principles of Eye Test for Intoxication. Realities and Myths of Eye Movements and Intoxication

New Hampshire State Police Forensic Laboratory, Intoxilyzer 5000EN Calibration

### **Symposiums and Conferences**

Symposium on Alcohol & Drug Enforcement, 2002, 2003, 2004, 2005, 2006, 2007, 2010

Florida Breath Test Conference 2002, 2003, 2004, 2005, 2006, 2007, 2009

Intoxilyzer User's Group 2002, 2003, 2004, 2006, 2007

International Association for Chemical Testing May 2003, Apr 2005

### **Permits Held**

Florida Department of Law Enforcement, Breath Test Operator

Florida Department of Law Enforcement, Agency Inspector

Montana Division of Forensic Science, Breath Test Specialist

Montana Division of Forensic Science, Senior Operator

Montana Division of Forensic Science, Technician

### **Certifications**

Florida Department of Law Enforcement, Department Inspector

Florida Department of Law Enforcement, Criminal Justice Standards and Training Instructor

CMI, Inc Intoxilyzer 5000 Instructor

CMI, Inc Maintenance and Repair, Intoxilyzer 5000

Guth Laboratories, Simulator Model 2100 & Model 34C Repair and Calibration

CMI, Inc Intoxilyzer 8000 Operation, Maintenance & Calibration

CMI, Inc Intoxilyzer 8000 Advanced Repair, Maintenance & Calibration

### **Professional Organizations, Affiliations and Memberships**

International Association for Chemical Testing, Inc.

International Law Enforcement Educators and Trainers Association (former member)

Basic Law Enforcement Curricula Committee for Traffic Stops, DUI, Field Sobriety Testing and HGN Development

## **Professional Training & Education Provided**

Instructor for Florida County Court Judge Training

Adjunct Instructor: University of North Florida, Institute of Police Technology & Management

Adjunct Instructor: Tallahassee Community College, Florida State Public Safety Institute

## **Expert Testimony Provided**

### Federal Court

Montana District Federal Magistrate Court

US Air Force Courts Martial

### Florida Courts

Alachua County

Columbia County

Duval County

Escambia County

Marion County

Okaloosa County

St. John's County

Clay County

Flagler County

Bay County

Suwannee County

Washington County

Nassau County

Jefferson County

Walton County

### Georgia Courts

Cobb County

Gwinnett County

Floyd County

### Montana Courts

Cascade County Justice Court

8<sup>th</sup> District Court

Supreme Court (315 Mont. 480, 68 P.3d 848)