

## CURRICULUM VITAE

08/12/2019

**NAME** Ruth Cramer

**POSITION** Forensic Scientist 2

**EMPLOYER** Washington State Patrol  
Impaired Driving Section  
222 Tumwater Blvd SW, Bldg 16  
Tumwater, WA 98504-2640  
Phone: (360) 709-1112

### **EDUCATION**

<u>Degree</u>	<u>Major</u>	<u>University/Year</u>
Bachelor of Science	Forensic Chemistry/Toxicology	West Chester Univ. /1987

### **WORK EXPERIENCE**

Nassau County Police Department Crime Lab	01/1987-06/1987 Internship
Nassau County Public Works	06/1987-10/1987
New York Environmental Testing	10/1987-12/1987
Washington State Patrol	01/1988-present

### **PROFESSIONAL TRAINING**

### **DATE LAST COMPLETED**

Breathalyzer Operator, Instructor, Technician	02/11/1988
Datamaster Operator, Solution Changer, Instructor	06/01/1995
BAC Technician	04/04/2019
Electronics Training	05/27/1988
Infrared Spectroscopy by Dr. Suzuki	05/20/1988
Highway Safety Programs by Dr. Borkenstein et al	03/25/1988
Gaze Nystagmus: Improved Sobriety Testing	11/03/1988 (8)
Enforcement of DWI Laws in Sweden: Blood and Breath Alcohol Testing for Legal Purposes by Dr. A.W. Jones	05/26/1992
National Patent Analytical Systems Inc.	06/25/2004
Specialized Training for Law Enforcement on the New DUI Law	08/24/1995 (3)
1999 DUI Laws from Arrest to Sentencing and Beyond...	11/05/1998 (3)
Validation of Field Sobriety Tests at 0.05 and 0.08, and Effects of Low Levels of Alcohol and Driving - Dr. Marcelline Burns	11/16/1998 (3)

1999 DUI Laws Affecting Law Enforcement - Train the Trainer	11/30/1998 (5)
Blood Alcohol Analyst Permit	01/30/2003
HGN and Eye Examinations – Dr. Citek	04/11/2017 (3½)
Draeger In-Service Training	09/10/2014 (16)
Measurement Confidence - ASCLD/LAB	09/16/2015 (6)
The Corrective Action Process - Root Cause Analysis Basics ASCLD/LAB	03/09/2017 (8)
Traffic Safety Conference – Kennewick, WA	04/26/2018 (16)
Overview of ISO/IEC 17025:2017 and the Forensic (AR3125) ANAB	02/20/2019 (16)
Practical Applications for Forensic Measurement Confidence ANAB	02/22/2019 (16)
IACT Conference – Coeur d’Alene, Idaho	04/03/2019 (24)
Alcohol Concentration Extrapolation Workshop	04/04/2019 (4)

**Wet Lab**

5-10 labs	various dates
WSP Basic Cadet Class	01-26-2018
Spokane County Sheriff’s Training Center	05-29-2018
Spokane County Sheriff’s Training Center	11-02-2018

**PROFESSIONAL MEMBERSHIPS**

Northwest Association of Forensic Scientists  
International Association for Chemical Testing