

Lieutenant Michael A. Bonasoro

EDUCATION:

2004 *Bachelor of Science - Criminal Justice*
University of Massachusetts Lowell
Lowell, Massachusetts

2004 Suffolk County Sherriff's Department Academy

2006 Massachusetts State Police Academy
New Braintree, Massachusetts

2013 *Master of Arts – Criminal Justice*
University of Massachusetts Lowell
Lowell, Massachusetts

EMPLOYMENT:

1998-2006 United States Army

2004-2006 Suffolk County Sherriff's Department

2006-2020 MASSACHUSETTS STATE POLICE
Shelburne Barracks Sept 2006-Nov 2008
Ballistics Section
Trooper
(November 2008 to September 2020)
Duties: To respond to crime scenes, gather and preserve
firearms and firearms related evidence. Attend autopsies,
observe wounds and receive evidence projectiles from
Medical Examiners office. Conduct test firings of suspect
weapons including distance type pattern tests when
requested. Perform microscopic examinations of recovered
evidence against test specimens from suspect weapon routine
test firing of weapons to determine function capability.

2022 Firearms Identification Section
Lieutenant (Executive Officer)
Duties: Supervise Firearms Identification Section Personnel
and assist with training. Respond to crime scenes and do
case work as assigned. Administratively and Technically
review case work.

Jan 06/23
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EXPERT TESTIMONY:

Testified as an expert witness in firearms operation Cambridge District Court, Ayer District Court, Waltham District Court, Worcester District Court, Newton District Court, Lowell Superior Court, Middlesex Superior Court, Suffolk Superior Court, and Worcester Superior Court

EXPERIENCE:

The field of Firearms Identification is an applied science. While schools teach theory and instruct techniques, hands-on experience provides the foundation of a skilled firearms examiner. Training is similar to an apprenticeship; you learn by working on actual cases with other experts in the field.

Experience to date includes:

- Worked in an apprenticeship position with recognized experts in Ballistics field from November 2008 to September 2010.
- Examined and/or test fired many different types of weapons.
- Participated in numerous fatal and non-fatal shooting investigations.
- Conducted numerous microscopic comparison examinations.
- Attended autopsies at Massachusetts Medical Examiners.

CONTINUING EDUCATION – SCIENTIFIC:

February 2009	Sig Sauer Manufacturing Orientation Sig Sauer Inc. Exeter, NH Instructor Jeremy Cole Description: One Day Orientation covering the manufacturing process of Sig Sauer firearms, to include machining of frames and various parts, cutting barrels, final inspection, finishing assembly and quality control.
May 2009	Secamp Manufacturing Orientation Instructor Larry Secamp Description: One Day Orientation covering manufacturing process of Secamp Firearms from raw material to finished product.
May 2009	Marlin Manufacturing Orientation Description: One Day Orientation covering the manufacturing process of Marlin Barrels, to include machining of various parts, cutting barrels, final inspection, finishing assembly and quality control.

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- 2009 AFTE Conference Miami Florida May 30 thru June 5.
Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous papers in the field of Firearms Identification. Also attended classes in Barrel Making and Cartridge casings.
- 2009 Techniques in Toolmarks Identification
Instructor Nancy D. McCombs
Description: One week course covering techniques in the field of tool marks.
- 2009 13th Annual New England Area Firearms Examiner Seminar, Rhode Island. Description: Legal and procedural issues regarding firearms and forensic services.
- 2009 National Integrated Ballistic Information Network School (NIBIN) Largo, FL Instructor Joe Zorola
Description: Basic operator's course for NIBIN system held at Forensic Technologies Training Center.
- 2010 Smith & Wesson M&P Rifle Armorers School
Instructor David Ducharme
Description: Two day course covering field stripping and maintenance, safeties and safety checks, detailed disassembly, troubleshooting and minor repairs of the M&P Rifle.
- 2010 Forensic Firearm and Tool Mark Identification with an Introduction to Daubert Issues
Instructor Peter Striupaitis
Description: Three day course covering basis and advanced firearms analysis as well as tool mark analysis. Also recent defense attorney criticisms in firearms and tool mark identification and basic court testimony.
- 2010 14th Annual New England Area Firearms Examiner Seminar, Connecticut. Description: Legal and procedural updates regarding firearms and forensic services. Presentations of some research projects from ATF academy.
- 2010 Leica microscope and digital imaging workshop
Instructor Wayne Buttermore
Description: Operator's course on the Leica comparison microscope hosted by the Firearms section of the CT DPS Forensic Laboratory.

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- 2011 West Virginia University online course, Introduction to Shooting Reconstruction.
- 2011 Leica Microsystems course in the area of comparison microscope illumination and imaging techniques.
- 2011 Toolmark Identification, Toolmark Analysis Techniques; Firearm Analysis, Consulting, & Training Services. Completed a 40 hour course of practical and academic instruction in Toolmarks.
Instructors: David Brundage, James Gannalo
- 2011 Colt Firearms Manufacturing Orientation
Tour Director: James R. Battaglini (Executive Vice President)
Description: One Day Orientation covering manufacturing process of Colt Firearms and Rifles from raw material to finished product.
- 2011 AFTE Conference Chicago Illinois May 29 thru June 3. Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous papers and presentations in the field of Firearms Identification.
- 2011 FAL SA58 Rifle Armorers School
Instructors Mike Keefe /John Krupa III Spartan Training Group
Description: One day course covering field stripping and maintenance, safeties and safety checks, detailed disassembly, troubleshooting and minor repairs of the FAL SA58 Rifle.
- 2011 15^h Annual New England Area Firearms Examiner Seminar, Connecticut. Description: Legal and procedural updates regarding firearms and forensic services.
- 2011 Colt 1911 Armorers School
Instructor Dean Caputo Description: Two day course covering field stripping and maintenance, safeties and safety checks, detailed disassembly, troubleshooting and minor repairs of the 1911 Model "O" pistol.
- 2012 Smith & Wesson M&P Pistol Armorers School
Instructor David Ducharme
Description: One day course covering field stripping and maintenance, safeties and safety checks, detailed disassembly, troubleshooting and minor repairs of the M&P Pistol.

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- 2012 16th Annual New England Area Firearms Examiner Seminar, Connecticut. Description: Legal and procedural updates regarding firearms and forensic services.
- 2013 Remington Arms Armorer's Course and Factory Tour
Remington Arms, Ilion, NY
Description: A four day Armorer's Course on the Remington M870. M1187 Shotguns and the M700 Bolt Action Rifle
- 2014 Description: One day workshop covering 1) An Overview of Subclass Characteristics; 2) Validation of Firearm and Toolmark Identification; 3) Objectivity, Subjectivity and Bias in the Firearm and Toolmark Discipline. Meriden, CT.
Instructor: Ron Nichols – National Technology Coordinator ATF.
- 2014 AFTE Conference Seattle, Washington May 11th –May 16th. Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous papers and presentations in the field of Firearms Identification.
- 2014 18th Annual New England Area Firearms Examiner Seminar, Connecticut, Description: Legal and procedural updates regarding firearms and forensic services.
- 2015 Glock Armorers School
Instructor Alan E. Ramsey
Description: One day course covering field stripping and maintenance, safeties and safety checks, detailed disassembly, troubleshooting and minor repairs of Glock pistols.
- 2015 Remington Ammunition Manufacturing Tour
Lonoke, Arkansas
Description: One day Manufacturing Tour.
- 2016 AFTE Conference New Orleans, Louisiana May 29th –June 3rd. Annual meeting of the Association of Firearms and Tool Marks Examiners. Present for the presentation of numerous papers and presentations in the field of Firearms Identification.
- 2017 Section meeting discussing updated policies and crime scene proficiency training and competency test.

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- 2018 Section meeting discussing bump stocks/trigger cranks and updated policy and procedures. Training video on the AR-15 rifle (Tales OF THE GUN The M-16).
- 2018 Conformational Bias Training, Crime Lab Maynard. A one day course on the topic of Conformational Bias by Dr. Itiel Dror.
- 2018 Uncertainty of Measurement training in regards to critical measurements of firearms/rifles/shotguns.
- 2019 Smith & Wesson Revolvers Armorer's Course presented by the American Gunsmithing Institute.
Instructor: Robert Dunlap
- 2022 New England Area Firearms Examiner Seminar, Maynard, MA. Description: Legal and procedural updates regarding firearms and forensic services. Crime Scene response hazards and precautionary methods utilized to prevent exposure to disease and chemicals.

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