



## Crime Laboratory Technician Certificate of Achievement

### Certificate Outcomes

***At the conclusion of the certificate program, students will be able to:***

- perform basic techniques and analyses routinely used in forensic crime laboratories including but not limited to collecting, identifying, classifying, and analyzing physical evidence related to criminal investigations, as well as tests on weapons or substances, such as fiber, hair, and tissue to determine significance to investigation.
- describe the properties of substances commonly used in forensic laboratories and the chemical processes and transformations that they undergo, including uses of chemicals and their interactions, danger signs, and disposal methods.
- use critical thinking to evaluate options and implement solutions to problems encountered in the crime laboratory.
- articulate the results of forensic analyses appropriately in oral and written forms.
- implement the use of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations as it relates to the duties of a crime lab technician.
- use knowledge of laws, legal codes, court procedures, precedents, government regulations, executive orders, agency rules, and the democratic political process to effectively perform the duties of a crime lab technician.

### **\*Crime Laboratory Technician Certificate of Achievement (36 - 37 s.h.)**

#### ***Certificate Requirements:***

WRT 1010	College Composition I	3 s.h.
FOR 1010	Introduction to Forensic Science	4 s.h.
FOR 3410	Impression and Trace Evidence Analysis	4 s.h.
FOR 3420	Firearm and Tool Mark Analysis	4 s.h.
FOR 3430	Forensic Anthropology <b>or</b>	
FOR 4640	Toxicology	3 or 4 s.h.
FOR 4520	Forensic Biology (BIO)	4 s.h.
FOR 4540	Forensic Chemistry I (CHM)	4 s.h.
FOR 4550	Forensic Chemistry II (CHM)	4 s.h.
FOR 4650	Ethics and Expert Testimony	3 s.h.
	Certificate electives <i>chosen from</i>	3 s.h.
	FOR 3040, Criminal Law & Procedures (CJ*)	(3 s.h.)
	FOR 3210, Principles of Criminology (CJ*/SOC)	(3 s.h.)
	FOR 3330, Forensic Anthropology	(4 s.h.)
	FOR 4150, Criminal Investigation (CJ*)	(3 s.h.)
	FOR 4640, Toxicology	(3 s.h.)

**36 - 37 s.h.**

**Note:** a minimum 70% of certificate requirements must be completed at Madonna University.  
\*Contact your advisor for assistance in declaring this certificate as part of your academic goals.