



ARKANSAS STATE CRIME LABORATORY

2015 Summer Internship Undergraduate Program



Qualifications:

Science majors interested in pursuing a career in forensic science.

Duration:

6-8 weeks early-June to mid-July
(June 1 – July 10, 2015)
(8 week program ends July 24)

Application Deadline:

April 6, 2015

Applications received by this deadline will be given priority.
(Applicant will be notified by April 25)

Program:

Students will briefly observe each discipline at the laboratory, participate in a discipline specific project and gain hands-on experience in one of the following areas:

Forensic Disciplines:

1. Forensic Chemistry
2. Toxicology

Information about the Arkansas State Crime Laboratory and on-line application materials can be found at <http://www.crimelab.arkansas.gov>

How to Apply:

Submit the following to the address (or email address) below:

- Complete the on-line application form
- Copy of undergraduate transcript
- Two letters of recommendation from faculty

cindy.moran@crimelab.arkansas.gov
OR
Summer Internship Undergraduate Program
Arkansas State Crime Laboratory
#3 Natural Resources Drive
Little Rock, AR 72205

No financial award is available in this program.

For Further details, contact Cindy Moran at (501) 683-6190

cindy.moran@crimelab.arkansas.gov

Forensic Discipline Information

#1 Forensic Chemistry

The Forensic Chemistry section receives evidence for analysis of suspected controlled substances. This refers to drugs and/or chemicals placed on the Controlled Substances Act under federal law and the Controlled Substances List under Arkansas Code, Chapter 64. Evidence is generally in the form of powders, capsules, tablets, vegetable matter and paraphernalia, as well as any solid, liquid, or vapor that could contain a chemical to be identified.

Techniques used in the forensic chemistry section include Thin-Layer Chromatography (TLC), Gas Chromatography (GC), Fourier Transform Infrared Spectroscopy (FTIR) and Gas Chromatography-Mass Spectroscopy (GC-MS).

The Forensic Chemistry Section is composed of forensic chemists containing a formal education equivalent to a bachelor's degree in chemistry.

#2 Toxicology

Death Investigations

The Toxicology section analyzes biological samples for the presence of drugs and toxins, which can help elucidate the cause and manner of death in cases where these substances play a role.

Criminal Investigations

The Toxicology section analyzes biological samples for the presence of drugs and toxins that may be important in criminal cases such as DUI, DWI, drug-facilitated sexual assault, and many other types of criminal offenses.

The testing performed can range from just a blood alcohol analysis to detecting and measuring the concentration of multiple drugs and/or toxins using a variety of techniques. The tests that are performed depend upon the needs of the case and the samples we receive.

Among the instrumental techniques, the following are commonly used: gas chromatography (GC), headspace gas chromatography, gas chromatography-mass spectrometry (GC-MS), liquid chromatography-mass spectrometry (LC-MS), UV-visible spectroscopy, enzyme-linked immunosorbent assay (ELISA), and enzyme multiplied immunoassay technique (EMIT).



ARKANSAS STATE CRIME LABORATORY
2015 Summer Internship Undergraduate Program Application
Application Deadline: April 6, 2015



Thank you for your interest in becoming an intern at the Arkansas State Crime Laboratory. The following are a list of guidelines for applicants. Please read thoroughly before completing the application and keep for your records. Please note that the content and quality of the application will be used in the Intern selection and placement process.

- Priority will be given to applications postmarked or emailed by the deadline.
- ***This is an unpaid internship.***
- Student is responsible for all food, lodging and transportation.
- The ASCL internship program is designed to meet the needs of students who have an interest in pursuing Forensic Science as a career choice.
- Students are expected to have an excellent work ethic, organizational skills, be adept at learning scientific procedures and protocols, and be self-motivated.
- Students should be responsible law-abiding citizens with high moral character and personal integrity and must not be convicted or charged with a felony or any other serious crime.
- Students must be in good academic standing and should be enrolled in a science program or a closely related field.
- It is preferred for the student to have completed their sophomore year.
- Interns will be required to submit an oral swab for DNA, urine for drug testing, blood for Hepatitis B/AIDS baseline test, and information for a criminal background check.

Please note that a COMPLETE application consists of this form, an official transcript from your undergraduate institution, and two letters of reference.

I. Background

Name:		Date of Birth:
Current Address:		
Permanent Address:		
Contact Phone #:	E-mail Address:	
Where do you intend to stay during your internship if accepted?		
Social Security # (required for background check):		U.S. Citizen? <input type="checkbox"/> Yes <input type="checkbox"/> No
High School Attended/ Graduation Year:		
College Attending:	Major/Minor:	
Present Status (Fr/So/Jr/Sr):	Expected Graduation Date:	
Cumulative GPA:	Science GPA:	
Does an internship qualify for college credit? <input type="checkbox"/> YES <input type="checkbox"/> No		

If yes, please include a copy of the requirements with your application.

II. Exposition

This section will be an important part of the selection process.

1. What is your knowledge of Forensic Science? (mark all that apply) <input type="checkbox"/> I have taken a Forensic Science course. <input type="checkbox"/> I have read books and articles about Forensic Science. <input type="checkbox"/> I enjoy watching non-fictional television shows about Forensic Science. <input type="checkbox"/> I enjoy watching fictional television shows about Forensic Science (CSI, etc.) <input type="checkbox"/> Other. Explain:
2. Discuss your plans for future education and eventual career.
3. How will the summer internship experience contribute to your career goals?
4. Please tell us why you feel that you should be chosen for one of these internships?
5. List your discipline preference (Forensic Chemistry, DNA or Toxicology).

The information that I have provided on this application is correct and true to the best of my knowledge. I am aware that knowingly providing false information on this document could result in the immediate rejection of my application, and I will not be appointed or further considered. I am also aware that my application may not be processed if all of the fields are not fully completed. I hereby authorize the ASCL to perform a criminal background check.

Signature: _____ Date: _____

Please send *all* materials (application, transcript, two letters of reference) to:

Summer Internship Undergraduate Program
Arkansas State Crime Laboratory **OR** **cindy.moran@crimelab.arkansas.gov**
#3 Natural Resources Drive
Little Rock, AR 72205

You should receive a confirmation e-mail that your application has been received. Otherwise, please contact Cindy Moran by phone or email.

Office: 501-683-6190

E-mail: cindy.moran@crimelab.arkansas.gov



ARKANSAS STATE CRIME LABORATORY
2015 Summer Internship Undergraduate Program
Recommendation Form



TO THE APPLICANT: Complete this part of the form, then give it to the evaluator and have them complete the form and return it directly to the Arkansas State Crime Laboratory.

Applicant Name:

I understand that federal legislation provides me with the right of access to this recommendation that may be waived but that no school or person can require me to waive this right.

Mark one of the following statements: I hereby WAIVE my right of access to this recommendation.

I do NOT waive my right of access to this recommendation.

Student's Signature: _____ Date: _____

APPLICANT SHOULD NOT WRITE BELOW THIS SPACE

TO THE EVALUATOR: Please provide your candid evaluation of this applicant's ability to participate in the Summer Undergraduate Research Program and their motivation to pursue a career in forensic science. Use space on back of form if necessary.

In what capacity and how long have you have known the applicant?

On the following scale, please rate this applicant relative to other students whom you have known.

Top 2% Top 10% Top 25% Top 50% Bottom 50% No Basis for Judgment

Name:	Date:
Title and Department:	
College/University Address:	
Signature:	

Please return this form directly to: Summer Internship Undergraduate Program, Arkansas State Crime Laboratory, #3 Natural Resources Drive, Little Rock, AR 72205