

CURRICULUM GUIDE
Forensic Science, B. S. (Forensic Biology Option)
2012-2013

Website: www.forensicscience.eku.edu
 Email Contact: diane.vance@eku.edu

Department of Chemistry
 521 Lancaster Ave.
 4126 New Science Building
 Richmond, KY 40475
 859-622-1456

The schedule below is an **EXAMPLE** of how you can arrange your class schedule.
 Please consult your advisor for specific changes that may need to be made.

	Fall Semester		Spring Semester	
Freshman Year	Gen. Ed. 1A (ENG 101)	3	Gen. Ed. 1B (ENG 102)	3
	CHE 111	3	CHE 112	3
	CHE 111L	1	CHE 112L	1
	§ MAT 124 (Fulfills Gen. Ed. 2)	4	BIO 111 (Fulfills Gen. Ed. 4A)	4
	Gen. Ed. 3A (Arts) <u>or</u> 3A/B (Integrated)	3	Gen. Ed. 1C (CMS 100 or 210)	3
	ASO 100	1		
	TOTAL	15	TOTAL	14
Sophomore Year	CHE 361	3	CHE 362	3
	CHE 361L	1	CHE 362L	1
	FOR 301	3	CHE 325	3
	PHY 131 or 201 (Fulfills Gen. Ed. 4B)	5	CHE 325L	2
	Gen. Ed. 3B (Humanities) <u>or</u> 3A/B (Integrated)	3	PHY 132 <u>or</u> 202	5
			Wellness	3
	TOTAL	15	TOTAL	17
Junior Year	BIO 315	4	BIO 320	4
	FOR 401	3	FOR 465W	3
	CHE 430 (fall only) (<u>or</u> 431 (spring only))	3	STA 270	3
	CHE 432	1	Gen. Ed. 5A (History)	3
	FOR 411	3	Gen. Ed. 5B (Soc. & Behav. Sci.)	3
	FOR 411L	1		
	TOTAL	15	TOTAL	16
Senior Year	BIO 531	4	CHE 570	4
	FOR 420	1	FOR 499 (ACCT)	3
	† Forensic Option Elective	3	Gen. Ed. 6 (Diversity)	3
	Gen. Ed. 6 (Diversity)	3	Free Elective	2
	Free Elective	3	Free Elective	2
	TOTAL	14	TOTAL	14

§ A preparatory course in mathematics (MAT 109) may be required before admission to MAT 124.

Upper division courses (All students are required to have a minimum of 42 hrs. upper division courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories).

All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

Applied Critical & Creative Thinking (ACCT) Requirement: Forensic Science majors will fulfill ACCT with FOR 499. (Credit hours are incorporated into program requirements.)

Course Number	Course Name
CORE COURSE REQUIREMENTS	
CHE 111	General Chemistry I
CHE 111L	General Chemistry Lab I
CHE 112	General Chemistry II
CHE 112L	General Chemistry Lab II
CHE 325	Analytical Chemistry
CHE 325L	Analytical Chemistry Lab
CHE 361	Organic Chemistry I
CHE 361L	Organic Chemistry Lab I
CHE 362	Organic Chemistry II
CHE 362L	Organic Chemistry Lab II
CHE 430 <u>or</u> CHE 431	Biochemistry of Macromolecules Metabolic Biochemistry
CHE 570	Biophysical Chemistry
FOR 301	Intro. to Forensic Science
FOR 401	Forensic Professional Practice
FOR 411	Instrumental Analysis
FOR 411L	Forensic Instrumental Lab
FOR 420	Forensic DNA Analysis
FOR 465W	Expert Witness Testimony
FOR 499	Forensic Science Capstone
<i>Bracketed items must/should be taken concurrently.</i>	
FORENSIC BIOLOGY OPTION REQUIREMENTS	
BIO 315	Genetics
BIO 320	Principles of Microbiology
BIO 531	Principles of Molecular Biology
CHE 432	Biochemistry Laboratory
† PLUS THREE (3) HOURS of electives chosen from the following:	
BIO 511	Exp. Approaches in Molecular Bio.
BIO 527	Immunology
BIO 528	Virology
BIO 533	Bioinformatics: Principles & Apps.
BIO 546	Herpetology
CHE 430 <u>or</u> CHE 431	Biochemistry of Macromolecules Metabolic Biochemistry
SUPPORTING COURSE REQUIREMENTS	
BIO 111	Cell and Molecular Biology
MAT 124	Calculus I
PHY 131 <u>or</u> PHY 201	College Physics I University Physics I
PHY 132 <u>or</u> PHY 202	College Physics II University Physics II
STA 270	Applied Statistics I
ASO 100	Student Success Seminar