

CURRICULUM GUIDE
Forensic Science, B.S. (Forensic Chemistry 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	CHE 111 3	BIO 111 (Fulfills Gen. Ed. 4A) 4
	CHE 111L 1	CHE 112 3
	Gen. Ed. 1A (ENG 101 or 105) 3	CHE 112L 1
	§ MAT 124 (Fulfills Gen. Ed. 2) 4	Gen. Ed. 1B (ENG 102) 3
	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 <u>or</u> 201 (Fulfills Gen. Ed. 4B) 5	CHE 325L 2
	Gen. Ed. 6 (Diversity) 3	PHY 132 <u>or</u> 202 5
		Gen. Ed. 6 (Diversity) 3
	TOTAL 15	TOTAL 17
Junior Year	FOR 401 3	FOR 412 2
	FOR 411 3	FOR 412L 1
	FOR 411L 1	FOR 430 3
	FOR 440 3	FOR 442L 1
	FOR 451 2	FOR 465W 3
	FOR 451L 1	FOR 475 3
	STA 270 3	
TOTAL 16	TOTAL 13	
Senior Year	CHE 570 4	FOR 499 (ACCT) 3
	CHE 430 <u>or</u> CHE 431 3	Gen. Ed. 3B (Humanities) <u>or</u> 3A/B (Integrated) 3
	FOR 420 1	Wellness 3
	Gen. Ed. 5A (History) 3	Free Elective 2
	Gen. Ed. 5B (Soc. & Behav. Sci.) 3	Free Elective 2
	Free Elective 3	
	TOTAL 17	TOTAL 13

§ 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	Biochemistry of Macromolecules
CHE 431	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 CHEMISTRY OPTION REQUIREMENTS	
[FOR 412	Forensic Trace Evidence
[FOR 412L	Forensic Trace Evidence Lab
FOR 430	Forensic Analytical Toxicology
FOR 440	Drug Chemistry
FOR 442L	Drugs and Toxicology Lab
[FOR 451	Forensic Microscopic Analysis
[FOR 451L	Forensic Microscopy Lab
FOR 475	Mass Spectrometry
SUPPORTING COURSE REQUIREMENTS	
BIO 111	Cell and Molecular Biology
MAT 124	Calculus I
PHY 131 <u>or</u>	College Physics I
PHY 201	University Physics I
PHY 132 <u>or</u>	College Physics II
PHY 202	University Physics II
STA 270	Applied Statistics I
ASO 100	Student Success Seminar