

**ACADEMIC ROADMAP
BS DEGREE IN FORENSIC CHEMISTRY**

Freshman Year

FIRST SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
FUND OF CHEM I (4)*	CHE 111/113	CHE 110 (C or better) or MAT 114 or a higher level math (C or better) or SAT math of 480 (or better) or ACT composite score of 18 (or higher)
CALCULUS I (5)*	MAT 161/163	MAT 124 with a minimum grade of C
Intellectual Foundations (IF) course(s)		
College Writing I	CWP 101	Successful completion of CWP 099 or SAT score over 400 or ACT score of 17 or higher

SECOND SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
FUND OF CHEM II (4)*	CHE 112/114	CHE 111/113
CALCULUS II (5)*	MAT 162/164	MAT 161/163
SCI. CRIM. EVIDENCE ANALYSIS**	FOR 122	
IF course(s)		
College Writing II	CWP 102	CWP 101 or its equivalent

Notes:

*a grade of "C" or better is required

Sophomore Year

THIRD SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
ORGANIC CHEMISTRY I (3)	CHE 201	CHE 112
ORGANIC CHEMISTRY I LAB (1)	CHE 203	CHE 112
UNIVERSITY PHYSICS I (5)	PHY 111	
INTRO TO PROB & STATISTICS	MAT 311	Three years of Regents high school math
IF course(s)		

FOURTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
ORGANIC CHEMISTRY II (3)	CHE 202	CHE 201
ORGANIC CHEMISTRY LAB II (1)	CHE 204	CHE 203
UNIVERSITY PHYSICS II (5)	PHY 112	PHY 111 or equivalent
ANALYTICAL CHEMISTRY (4)	CHE 301	CHE 112/114
IF course(s)		

Notes:

Junior Year

FIFTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
INTRO TO CELL BIOLOGY (4)	BIO 211	
CHEMISTRY & CRIMINALISTICS	FOR 312	FOR 122, MAT 311 and CHE 201
Approved Forensic Elective (3-4)		

SIXTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
OPTICAL MICROSCOPY (2)**	FOR 416	FOR 312 and PHY 112
PRIN. OF PHYSICAL CHEM.**	CHE 331	CHE 202, MAT 126 or MAT 162 or PHY 112

Notes:

**these courses are usually offered only in the semester indicated

Senior Year

SEVENTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
BIOCHEMISTRY I (3)**	CHE 470	CHE 202; BIO 211 recommended
BIOCHEMICAL TECHNIQUES (2)**	CHE 471	CHE 204 and CHE 301
INSTRUMENTAL ANALYSIS (4)	CHE 403	CHE 301; CHE 331 or CHE 306 (may be taken concurrently with instructor permission)
GENETICS (4)	BIO 303 or BIO 350	BIO 111 (C or better), BIO 211, BIO 213, CHE 111 and CHE 112/114

EIGHTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)
FORENSIC CHEM LAB**	FOR 414	FOR 312 and CHE 403; BIO 303 or BIO 350 (or concurrently)
INTERNSHIP IN CRIM.	FOR 412	FOR 312, CHE 403, permission of instructor and senior status
Approved Forensic Elective (3-4)		

Notes:

**these courses are usually offered only in the semester indicated