FORENSIC CHEMISTRY

REQUIREMENTS

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend CORE CURRICULUM disciplines. The Core ap plies to all majors. Information on specific classes in the Core can be found at marshall.edu/gened.

CORE 1: CRITICAL THINKING					CORE 2:						
CODE	COURSE NAME	HRS	GRADE		CODE C	COURSE NAME		HRS	GRADE		
FYS 100	First Year Seminar	3			ENG 101	Beginning Composition	•	3			
MTH 229	Critical Thinking Course	• 5		-	ENG 201	Advanced Composition	٠	3			
	Critical Thinking Course	3			CMM 103	Fund Speech-Communication	•	3			
					MTH 229	Calculus/Analytic Geom I (CT)	• •	5			
Additiona	al University Requirements				BSC 120/L	Principles of Biology I / Lab	• •	3/1			
	Writing Intensive (CHM 357 or CHM 358)	3				Core II Humanities	٠	3			
	Writing Intensive	3			CJ 200 or CJ	Intro to Criminal Justice	•	3			
	Multicultural or International	3			211						
CHM 491	Capstone	2				Core II Fine Arts	•	3			

MAJOR-SPECIFIC

All Forensic Chemistry majors are required to take the following courses:

	CODE	COURSE NAME		HRS	GRADE	CODE	COURSE NAME		HRS	GRADE
-	CHM 211	Principles of Chemistry I	٠	3		PHY 201	College Physics I	٠	3	
	CHM 217	Principles of Chemistry I Lab	•	2		PHY 202	College Physics I Lab	٠	1	
	CHM 212	Principles of Chemistry II	٠	3		PHY 203	College Physics II	٠	3	
	CHM 218	Principles of Chemistry II Lab	٠	2		PHY 204	College Physics II Lab	٠	1	
	CHM 355	Organic Chemistry I	٠	3			Statistics Elective (STA 225 or 345)	٠	3	
	CHM 356	Organic Chemistry II	٠	3		BSC 121/L	Principles of Biology II / Lab	٠	3/1	
	CHM 361	Organic Chemistry II Lab	٠	3		BSC 322	Cell Biology	٠	4	
	CHM 305	Research Methods Chemistry	٠	1		BSC 324	Genetics	٠	4	
	CHM 345	Intro Analytical Chemistry	٠	4		CIT 163	Intro to Programming C++	•	3	
	CHM 357	Physical Chemistry: Quantum or	٠	4			Restricted Elective	•	3	
	or 358 Physical Chemistry: Thermo (WI)					Restricted Elective	•	3		
	CHM 365	Biochemistry	٠	3		CJ 314	Crime Scene Investigation	٠	3	
	CHM 411	Instrumental Methods	٠	4		CJ 323 or	Criminal Law or Law of Evidence	٠	3	
	CHM 491	Capstone or CHM 490	• •	2		422				
	CHM 432	Seminar	•	0						
		300/400 CHM Elective	٠	3						

MAJOR INFORMATION

- · Students are required to know and track their degree requirements for graduation or for entrance to a professional school.
- · In addition to the Core General Education requirements, the College of Science requires 3 hours of Calculus, and 40 hours of upper level credit. Coursework listed as "elective" may vary for each student. Students are
- encouraged to use elective hours toward a minor or toward prerequisities. Students are strongly encouraged to select courses that meet two or more Core or College requirements. For example, a writing intensive literature course could satisfy the Core II Humanities as well as the University writing
- intensive requirement. Course offerings and course attributes are subject to change semesters. Please consult each semesters schedule of courses for availability and attributes.
- Math is based on an ACT Mathematics score of 27 or higher. Students with an ACT Mathematics score less than 27 will be placed in the appropriate mathematics and science courses.
- · Statistics Elective: Choose from STA 225 or STA 345.
- Restricted Elective: Choose two courses from BSC 450, CHM 428 or 467. Students are strongly encouraged to engage in a Forensic Chemistry related Capstone Experience (CHM 491).
- A Grade Point Average of 2.0 is required 1) overall, 2) at MU, 3) in all required Chemistry courses, 4) in all Chemistry courses, and 5) in all required Chemistry courses taken at MU.
- · Double majors within the Department of Chemistry may include any majors other than the B.S., Major in Chemical Sciences. A double major of Forensic Chemistry with Biochemistry is also currently not permitted.

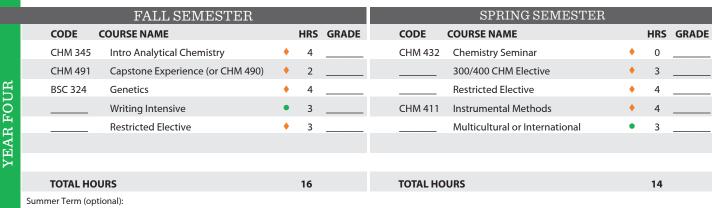
Area of Emphasis

Major Requirement

FORENSIC CHEMISTRY

This major is intended for students who wish to pursue a career in fields involving forensics. Degrees offered by the Department of Chemistry provide a program of studies that allows the individual to: obtain high quality instruction in chemistry as a scientific discipline, obtain a sound background in preparation for advanced studies, meet the qualifications of professional chemists and accrediting agencies, or prepare for a professional career in medicine, dentistry, pharmacy, medical technology, engineering, nursing and other fields.

		FALL SEMESTER						SPRING SEMESTER			
	CODE	COURSE NAME		HRS	GRADE		CODE	COURSE NAME		HRS	GRAD
e	CHM 211	Principles of Chemistry I	٠	3			MTH 229	Calculus/Analytic Geom I (CT)	• •	5	
	CHM 217	Principles of Chemistry I Lab	•	2			CHM 212	Principles of Chemistry II	•	3	
	BSC 120/L	Principles of Biology I / Lab	• •	3/1			CHM 218	Principles of Chemistry II Lab	•	2	
	ENG 101	Beginning Composition	•	3			BSC 121/L	. Principles of Biology II / Lab	•	3/1	
	FYS 100	First Year Sem Crit Thinking	•	3							
	UNI 100	Freshman First Class		1							
	TOTAL HO	URS		16			TOTAL HO	DURS		14	
Sum	mer Term (op	tional):									
		FALL SEMESTER						SPRING SEMESTER	,		
	CODE	COURSE NAME			GRADE		CODE	COURSE NAME			GRAI
	CHM 355	Organic Chemistry I	•	3			CHM 356	Organic Chemistry II	•	5	
		Statistics Elective (STA 225 or 345)	•	3			CHM 361	Organic Chemistry Lab	•	-	
-	PHY 201	College Physics I	•	3		-	PHY 203	College Physics II	•	3	
	PHY 202	College Physics I Lab	•	1			PHY 204	College Physics II Lab	•	1	
	CJ 200	Intro to Criminal Justice	•	3			CMM 103	Fund Speech-Communication	•	3	
	BSC 121	Principles of Biology II	•	4			ENG 201	Advanced Composition	•	3	
	TOTAL HO	URS		17			TOTAL HO	DURS		16	
Sum	mer Term (op	tional):									
		FALL SEMESTER						SPRING SEMESTER	,		
	CODE	COURSENAME			GRADE		CODE	COURSE NAME			GRAI
	CHM 365	Biochemistry	•	3			CHM 358	Physical Chemistry I or (CHM 357 in Fall) (WI)	•	4	
	CHM 305	Research Methods Chemistry	•	1				Core II Humanities (CT)		3	
		Core II Fine Arts	•	3			BSC 322	Cell Biology		4	
	CIT 163	Intro to Programming C++	•	3			CJ 323 or	Criminal Law or Law of Evidence	•	4	
	CJ 314	Crime Scene Investigation	•	3			422	Chiminal Law of Law of Evidence	•	5	
				13			TOTAL HO			14	
	TOTAL HO										



College Requirement