



MARYVILLE
UNIVERSITY

FORENSIC CHEMISTRY

Minimum of **124** credit hours required for a Bachelor of Arts degree.
Last **30** credit hours must be from Maryville University

NAME: _____ REVIEWER: _____ DATE: _____

I. MCORE (36 Hours)	Credits	SEM/YR	Grade	Notes
A. Social Discovery (6)				
CORE 101: Discovering Community	3			
Student Choice	3			
CORE 401: Senior Capstone				In Major: Chem 401, 498, 499
B. Civic Discovery (6)				
CORE 201: Discovering the Nation	3			
Student Choice	3			
C. Cultural Discovery (6)				
CORE 301: Discovering the World	3			
Student Choice	3			
D. Creative Discovery (9)				
ENGL104: Art of Persuasive Writing	3			
Student Choice	3			
Student Choice	3			
F. Scientific Discovery (9)				
CORE 102: Everyday Data	3			
Student Choice	3			
Student Choice	3			
II. Major Requirements (93 Credit Hours)	Credits			Notes
COMP 101 Writing Across the Disciplines I	3			
CHEM 401, 498, or 499	2			Capstone
LEGL 215 Law, Ethics and Testimony	3			
MATH 152 Calculus II	4			
BIOL 260 General Genetics	4			
CHEM 431 Physical Chemistry I	3			
CHEM 432 Physical Chemistry II	3			
Natural Science Core				
MATH 141 or MATH 370	3			
MATH 151 Calculus I	4			
PHYS 153 Calculus-Based Physics I	4			
PHYS 154 Calculus-Based Physics II	4			
BIOL 117 General Biology I	4			
BIOL 118 General Biology II	4			
CHEM 103 General Chemistry I	4			
CHEM 104 General Chemistry II	4			
CHEM 203 Organic Chemistry I	4			
CHEM 204 Organic Chemistry II	4			
Specialized Science Courses				
CHEM 320 Biochemistry	4			
CHEM 321 Biochemistry II	3			
CHEM 353 Quantitative Analysis	4			
CHEM 410 Instrumental Analysis	4			
Forensic Science Courses				
FRSC 151 Introduction to Forensic Science	4			
FRSC 303 Forensic Biology	4			
FRSC 311 Forensic Chemistry	4			
Degree Total	124			

SAMPLE COURSE PLAN

This is an example of the sequence of course work to complete this major.

ODD YEAR FALL			
Fall of Freshman Year	Credits	Spring of Freshman Year	Credits
CORE 101: Discovering Community	3	CORE 201: Discovering the Nation	3
COMP 101 Writing Across the Disciplines I	3	COMP 104: Writing Across the Disciplines II	3
CHEM 103 General Chemistry I	4	CHEM 104 General Chemistry II	4
BIOL 117 General Biology I	4	BIOL 118 General Biology II	4
MATH 151 Calculus I	4	MATH 152 Calculus II	4
Total	18	Total	18
Fall of Sophomore Year	Credits	Spring of Sophomore Year	Credits
CORE 301: Discovering the World	3	CORE 102: Everyday Data	3
CHEM 203 Organic Chemistry I	4	CHEM 204 Organic Chemistry II	4
PHYS 153 Calculus-Based Physics I	4	PHYS 154 Calculus-Based Physics II	4
FRSC 151 Introduction to Forensic Science	4	BIOL 260 General Genetics	4
Total	15	Total	15
Fall of Junior Year	Credits	Spring of Junior Year	Credits
CHEM 320 Biochemistry	4	CHEM 321 Biochemistry II	3
CHEM 431	3	CHEM 432	3
CHEM 353 Quantitative Analysis	4	FRSC 311 Forensic Chemistry	4
LEGL 215 Law, Ethics and Testimony	3	MCORE - Student Choice	3
		MCORE - Student Choice	3
Total	14	Total	16
Fall of Senior Year	Credits	Spring of Senior Year	Credits
MCORE - Student Choice	3	CORE 401: CHEM 401, 498, 499	2 or 3
MCORE - Student Choice	3	MCORE - Student Choice	3
MATH 141 Elem. Statistics or MATH 370 Math. Statistics I	3	CHEM 410 Instrumental Analysis	4
MCORE - Student Choice	3	FRSC 303 Forensic Biology	4
MCORE - Student Choice	3		
Total	15	Total	13

EVEN YEAR FALL			
Fall of Freshman Year	Credits	Spring of Freshman Year	Credits
CORE 101: Discovering Community	3	CORE 201: Discovering the Nation	3
COMP 101 Writing Across the Disciplines I	3	COMP 104: Writing Across the Disciplines II	3
CHEM 103 General Chemistry I	4	CHEM 104 General Chemistry II	4
BIOL 117 General Biology I	4	BIOL 118 General Biology II	4
MATH 151 Calculus I	4	MATH 152 Calculus II	4
Total	18	Total	18
Fall of Sophomore Year	Credits	Spring of Sophomore Year	Credits
CORE 301: Discovering the World	3	CORE 102: Everyday Data	3
CHEM 203 Organic Chemistry I	4	CHEM 204 Organic Chemistry II	4
PHYS 153 Calculus-Based Physics I	4	PHYS 154 Calculus-Based Physics II	4
FRSC 151 Introduction to Forensic Science	4	BIOL 260 General Genetics	4
Total	15	Total	15
Fall of Junior Year	Credits	Spring of Junior Year	Credits
CHEM 320 Biochemistry	4	CHEM 321 Biochemistry II	3
CHEM 353 Quantitative Analysis	4	FRSC 303 Forensic Biology	4
MCORE - Student Choice	3	CHEM 410 Instrumental Analysis	4
MCORE - Student Choice	3	MCORE - Student Choice	3
Total	14	Total	14
Fall of Senior Year	Credits	Spring of Senior Year	Credits
MCORE - Student Choice	3	CORE 401: CHEM 401, 498, 499	2
MCORE - Student Choice	3	MCORE - Student Choice	3
CHEM 431	3	MCORE - Student Choice	3
MATH 141 Elem. Statistics or MATH 370 Math. Statistics I	3	FRSC 311 Forensic Chemistry	4
LEGL 215 Law, Ethics and Testimony	3	CHEM 432	3
Total	15	Total	15

Notes:

CHEM 320 – Offered Every Fall (CHEM 204 Required), CHEM 321 – Offered Every Spring (CHEM 320 Required), CHEM 353 – Offered Every Fall, CHEM 410 – Offered Spring Odd Year (CHEM 353 Required), CHEM 431 – Offered Fall Odd Year (CHEM 204, PHYS 154, MATH 152 Required), CHEM 432 – Offered Spring Even Year (CHEM 204, PHYS 154, MATH 152 Required), FRSC 151 – Offered Every Fall (CHEM 103 Required), FRSC 303 – Offered Spring Odd Year (FRSC 151, BIOL 260, CHEM 204 Required), FRSC 311 – Offered Spring Even Year (FRSC 151, CHEM 204, CHEM 353 Required)