

CHEMISTRY (FORENSIC CHEMISTRY CONCENTRATION), BACHELOR OF SCIENCE

SUMMARY

Code	Title	Hours
Core Curriculum Requirements (https://catalog.tsu.edu/undergraduate/general-education-core-curriculum/)		42
Major Requirements (30 hours)		
CHEM 111	Chemistry I Lab	1
CHEM 112	Chemistry II Lab	1
CHEM 231	Organic Chem I	3
CHEM 211	Organic Chem I Lab	1
CHEM 232	Organic Chem II	3
CHEM 212	Organic Chem II Lab	1
CHEM 332	Quan Analysis Lec	3
CHEM 322	Quan Analysis Lab	2
CHEM 431	Physical Chem I	3
CHEM 411	Physical Chem I Lab	1
CHEM 445	Biochemistry	3
CHEM 445L	Biochem Lab	1
CHEM 450	Inorganic Chemistry I	3
CHEM 453	Instrumental Analysis Methods	3
CHEM 453L	Instrumental Analysis Lab	0
CHEM 499	Seminar	1
Other Requirements (51 hours)		
BIOL 111	Biological Science Lab I	1
BIOL 112	Biological Science Lab II	1
BIOL 1306	Biological Science I	3
BIOL 1307	Biological Science II	3
CHEM 323	Forensic Chemistry Lab	2
CHEM 3350	Forensic Chemistry I	3
CHEM 351	Forensic Chemistry II	3
CHEM 454	Research	3
CHEM 460	Forensic Toxicology	3
MATH 1342	Elementary Statistics	3
MATH 2413	Calculus & Analytic Geomtry I	4
MATH 2414	Calculus&Analytic Geometry II	4
PHYS 2325	University Physics I	3
PHYS 217	University Physics Laboratory I	1
PHYS 2326	University Physics II	3
PHYS 218	University Physics Laboratory II	1
AJ 100	Intro to Criminology	3
AJ 301	Research Methods in AJ	3
AJ 302	Statistics in AJ	3
FS 102	Freshman Seminar/ first Year Experience	1
Total Hours		123

Course	Title	Hours
First Year		
First Semester		
CHEM 1311	Chemistry I	3
CHEM 111	Chemistry I Lab	1
BIOL 1306	Biological Science I	3
BIOL 111	Biological Science Lab I	1
ENGL 1301	Freshman English I	3
MATH 2312	Precalculus Math	3
FS 102	Freshman Seminar/ first Year Experience	1
Hours		15
Second Semester		
CHEM 1312	Chemistry II	3
CHEM 112	Chemistry II Lab	1
BIOL 1307	Biological Science II	3
BIOL 112	Biological Science Lab II	1
ENGL 1302	Freshman English II	3
MATH 2413	Calculus & Analytic Geomtry I	4
Hours		15
Second Year		
Third Semester		
CHEM 231	Organic Chem I	3
CHEM 211	Organic Chem I Lab	1
ENG 2XX	Any 200-level English	3
MATH 2414	Calculus&Analytic Geometry II	4
COSC 1301	Intro To Compr Science I	3
HIST 1301	Soc & Pol Hist US to 1877	3
Hours		17
Fourth Semester		
CHEM 232	Organic Chem II	3
CHEM 212	Organic Chem II Lab	1
MATH 1342	Elementary Statistics	3
Creative Arts Course ¹		3
PSYC 2301	General Psychology	3
or SOCI 1301	or Introduction To Sociology	
HIST 1302	Soc & Pol Hist US Since 1877	3
Hours		16
Third Year		
Fifth Semester		
CHEM 332	Quan Analysis Lec	3
CHEM 322	Quan Analysis Lab	2
POLS 2305	American Government	3
PHYS 2325	University Physics I	3
PHYS 217	University Physics Laboratory I	1
AJ 100	Intro to Criminology	3
Hours		15
Sixth Semester		
CHEM 445	Biochemistry	3
CHEM 445L	Biochem Lab	1
POLS 2306	Texas Government	3
PHYS 2326	University Physics II	3
PHYS 218	University Physics Laboratory II	1

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AJ 301	Research Methods in AJ	3
CHEM 3350	Forensic Chemistry I	3
Hours		17

Fourth Year

Seventh Semester

CHEM 431	Physical Chem I	3
CHEM 411	Physical Chem I Lab	1
CHEM 450	Inorganic Chemistry I	3
AJ 302	Statistics in AJ	3
COMM 1315	Public Address	3
	or COMM 1321 or Business & Professional Comm	
CHEM 323	Forensic Chemistry Lab	2
Hours		15

Eighth Semester

CHEM 453	Instrumental Analysis Methods	3
CHEM 453L	Instrumental Analysis Lab	0
CHEM 454	Research	3
CHEM 499	Seminar	1
CHEM 351	Forensic Chemistry II	3
CHEM 460	Forensic Toxicology	3

Hours		13
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Total Hours		123
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MUSI 1306 Music Appreciation, MUSI 1315 Fine Arts In Daily Living, THEA 1310 Introduction to Theatre, ART 135 Topics in Contemp Art & Cultur, or ARTS 1315 Intro African Art (TCCB: MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)