

## B. S. in Chemistry with Forensic Emphasis

This is an example of a typical course of study and is for illustrative purposes only. The credit hours for each course are listed. All requirements for graduation are stated in the University Catalog.

<b>Freshman Year</b>					
<i>Fall Quarter</i>		<i>Winter Quarter</i>		<i>Spring Quarter</i>	
CHEM 181 Introductory Chemistry 1	5	CHEM 182 Introductory Chemistry 2	5	CHEM 183 Introductory Chemistry 3	5
BIOL 121 General Biology	4	BIOL 122 Introduction to Zoology	4	BIOL 123 General Botany	4
MATH 163 Calculus 1	4	MATH 164 Calculus 2	4	MATH 165 Calculus 3	4
ENGL 110 Writing 1	4	ENGL 111 Writing 2	4	Communication Arts Elective	4
CHEM 000 Orientation	0	AHPE Wellness Elective	1	AHPE Fitness Elective	1

<b>Sophomore Year</b>					
<i>Fall Quarter</i>		<i>Winter Quarter</i>		<i>Spring Quarter</i>	
CHEM 261 & 264 Organic Chemistry 1	4	CHEM 262 & 265 Organic Chemistry 2	4	CHEM 263 & 266 Organic Chemistry 3	4
PHYS 231 & 234 Mechanics of Solids	5	PHYS 232 & 235 Heat, Sound, and Light	5	PHYS 233 & 236 Electricity and Magnetism	5
CHEM 200 Introduction to Chemical Research	0	SOC 261 Criminology	4	CHEM 271 Chemical Applications of Mathematics	4
BIOL 210 Introduction to Genetics	4	Religion Elective	4	HIST 111 Western Civilization 2	4
HIST 110 Western Civilization 1	4				

<b>Junior Year</b>					
<i>Fall Quarter</i>		<i>Winter Quarter</i>		<i>Spring Quarter</i>	
CHEM 341 Physical Chemistry 1	4	CHEM 342 Physical Chemistry 2	4	CHEM 343 Physical Chemistry 3	4
CHEM 304 Organic Synthesis	4	CHEM 324 Intermediate Inorganic	4	CHEM 351 Quantitative Analysis	4
PLSC 121 Introduction to Criminal Justice	4	BIOL 351 Cell Biology	4	Fine Arts Elective	4
ENGL 204 Great Works	4	PLSC 332 Criminal Procedure	4	Elective	4
AHPE Lifetime Elective	1	CHEM 300 Preparing for Careers in Chemistry and Biochemistry	1		

<b>Senior Year</b>					
<i>Fall Quarter</i>		<i>Winter Quarter</i>		<i>Spring Quarter</i>	
CHEM 462 Instrumental Analysis	4	CHEM 494 Seminar in Chemistry	1	Elective	4
CHEM 311 Chemistry of Biological Molecules	4	Philosophy Elective	4	Elective	4
Non-Western Elective	4	Elective	4	Elective	4
Elective	4	Elective	4	Elective	4

<http://www.onu.edu/a+s/chemistry/>