

## DEPARTMENT OF NATURAL SCIENCES

## MAJOR: CHEMISTRY (34 HOURS)

NO MINOR REQUIRED

ADDITIONAL HOURS REQUIRED (16 HOURS)

TOTAL HOURS TO COMPLETE: 50 HOURS

CHEMISTRY MAJOR REQUIREMENTS (34 HOURS)				
	COURSE NAME	HRS	TERM	PREREQUISITES
CHEM 201	ORGANIC CHEMISTRY I	4	FALL	CHEM 112 with a minimum grade of "C."
CHEM 202	ORGANIC CHEMISTRY II	4	SPRING	CHEM 201 with a minimum grade of "C."
CHEM 301	ANALYTICAL CHEMISTRY	4	FALL (AS NEEDED)	CHEM 201
CHEM 302	INSTRUMENTAL ANALYSIS	4	SPRING (AS NEEDED)	CHEM 201
CHEM 351	INORGANIC CHEMISTRY	4	SPRING (AS NEEDED)	CHEM 202
CHEM 401	PHYSICAL CHEMISTRY I	4	FALL (AS NEEDED)	CHEM 201 and MATH 152
CHEM 402	PHYSICAL CHEMISTRY II	4	SPRING (AS NEEDED)	CHEM 401
CHEM 391	CHEMISTRY SEMINAR (W13)	1	FALL, SPRING	CHEM 202
CHEM 491	CHEMISTRY SEMINAR (W13 & PRE)	1	FALL, SPRING	CHEM 391
CHOOSE ONE	SELECT 4 CREDIT HOURS FROM THE FOLLOWING:			
CHEM 310	ENVIRONMENTAL CHEMISTRY	4	SPRING (AS NEEDED)	CHEM 112 with a minimum grade of "C."
CHEM 380	FORENSIC CHEMISTRY	4	SPRING (AS NEEDED)	CHEM 112 (Prerequisite or Co-requisite)
CHEM 405	TOPICS IN ADVANCED CHEMISTRY	1-4	AS NEEDED	CHEM 111 and Permission from Instructor.
CHEM 420	AQUATIC CHEMISTRY	4	FALL (AS NEEDED)	CHEM 112
CHEM 422	BIOCHEMISTRY (cross-listed with BIOL 422)	4	FALL	CHEM 202 with a minimum grade of "C."
<b>TOTAL MAJOR HOURS</b>		<b>34</b>		

ADDITIONAL REQUIREMENTS (16 HOURS)*				
	COURSE NAME	HRS	TERM	PREREQUISITES
CHEM 112	GENERAL CHEMISTRY II**	4	SPRING	CHEM 111 with a minimum grade of "C."
PHYS 203	GENERAL PHYSICS FOR SCIENTISTS AND ENGINEERS I	4	FALL	MATH 151 or higher.
PHYS 204	GENERAL PHYSICS FOR SCIENTISTS AND ENGINEERS II	4	SPRING	PHYS 203 or Permission from Instructor, and MATH 151 or higher.
MATH 152	CALCULUS II	4	FALL, SPRING	MATH 151
<b>TOTAL ADDITIONAL HOURS</b>		<b>16</b>		

NOTE: BIOL 104 or BIOL 111, CHEM 111, and MATH 151 are prerequisites for courses required in the major and will fulfill General Education requirements.

Additional Pre-Professional Concentration available for students interested in pursuing careers in medicine, pharmacy, and dentistry.

\*NOTE: Will be considered satisfactory if completed with a passing grade (D- or better) with the exception of CHEM 112.

\*\*NOTE: Must be completed with a "C" or better; Chemistry majors electing to complete a Forensics minor will earn credit for CHEM 112 as part of that minor; Chemistry majors electing to complete and Environmental Science minor will earn credit for CHEM 112 as part of that minor.