

TABLE II: LIST OF UNDERGRADUATE CHEMISTRY COURSES**** Grade of 'C' or better is required in all major coursework.**

Course Number	Course Title	Pre-Requisite Coursework	Lab?
1315	General Chemistry I (F, Sp, Su)	MATH 1503 or MATH 1643 or Math ACT \geq 23	Yes
1415	General Chemistry II (F, Sp, Su)	CHEM 1315 with grade of 'C' or better	Yes
1425	Honors General Chemistry (F)	Permission of Honors College; Math ACT \geq 29; 3 years H.S. math; 1 year H.S. Chemistry;	Yes
3053	Organic Chemistry (I) (F, Sp, Su)	CHEM 1415 or 1425	3152
3152	Organic Chemistry Laboratory (F, Sp, Su)	CHEM 3053	n/a
3153	Organic Chemistry (II) (F, Sp, Su)	CHEM 3053 with grade of 'C' or better	3152
3214	Quantitative Analysis (F, Sp, Su)	CHEM 1415 or 1425; MATH 1523 or 1643;	Yes
3421	Physical Chemistry Lab (I) (F, Sp, Su)	CHEM 3423 or concurrent enrollment	n/a
3423	Physical Chemistry I (F, Sp, Su)	CHEM 1415 or 1425; MATH 2423 or concurrent enrollment	3421
3521	Physical Chemistry Lab (II) (F, Sp, Su)	CHEM 3523 or concurrent enrollment	n/a
3523	Physical Chemistry II (F, Sp)	CHEM 3423 with grade of 'C' or better	3521
3653	Introduction to Biochemistry (F, Su)	CHEM 3053	No
3753	Introduction to Biochemical Methods (Sp, Su)	CHEM 3653 or concurrent enrollment	Yes
4023	Instrumental Methods of Chemical Analysis (F)	CHEM 3214	4033
4033	Instrumental Methods of Chemical Analysis Laboratory (Sp)	CHEM 4023	n/a
4333	Advanced Inorganic Chemistry – Periodic System (F)	CHEM 3053	No
4444	Advanced Synthesis and Spectral Characterization (Sp)	CHEM 3152 and 3153	Yes
4753	Advanced Biochemistry (Sp)	CHEM 3153; CHEM 3653; CHEM 3423	No
4913	Capstone--Senior Thesis (F, Sp, Su)	Permission of department (1 yr organic w/lab; 1 semester physical chem w/lab; 3 semesters research)	No
4923	Capstone--Senior Project (Sp)	Permission of department (1 yr organic, 1 semester physical chemistry w/lab, 3214)	Yes
4923	Capstone--Nanotechnology and Bionanotechnology (F)	Permission of department (1 semester physical chemistry lecture or concurrent enrollment)	
4933	Capstone--Current Topics in Biochemistry (F)	Permission of department (3653, 3753, 1 semester physical chemistry w/lab)	Yes
3960	Honors Reading (F, Sp, Su)	Permission of instructor and permission of Honors College	
3980	Honors Research (F, Sp, Su)	Permission of instructor and permission of Honors College	
3990	Independent Study (F, Sp, Su)	Permission of instructor (graded S/U)	
4990	Independent Study (F, Sp, Su)	Permission of instructor (letter graded)	
4232	Glassblowing	Permission of instructor (course is not acceptable for major credit)	
Other courses outside of the Chemistry Department:			
BOT MBIO ZOO 4843	Introduction to Molecular Biology (F, Sp)	CHEM 3013 or 3053 with a 'D' or better AND MBIO 3812 OR BOT 1114 OR ZOO 1114	No
CEES 4114	Aquatic Chemistry (F)	Senior standing and one year of general chemistry	Yes
GEOL 3154	Environmental Geology	college algebra and permission of instructor	Yes
GEOL 4970	Environmental Geochemistry (Sp)	Special permission from the Geology department	No