



2023-2024

## CHEMISTRY - BIOCHEMISTRY MAJOR, B.S.

Science & Health Department; School of Science, Health & Mathematics

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement. This program may require more than 124 credits for a degree due to specific requirements.

### MAJOR REQUIREMENTS (82)

#### **Cross-Disciplinary Requirements (29)**

__ 3	BIO	201	General Biology I	
__ 3	BIO	202	General Biology II	
__ 1	BIO	203	General Biology Lab I	
__ 1	BIO	204	General Biology Lab II	
__ 2	BIO	341	Ethical Issues	
__ 4	MAT	181	Calculus I	__ Lab
__ 4	MAT	182	Calculus II	__ Lab
__ 4	PHY	201	Intro Physics I	__ Lab
__ 4	PHY	202	Intro Physics II	__ Lab
__ 3	PSY	315	Stats for Behavioral Science	

Choose one:

__ 3	BIO	322	Genetics
	BIO	379	Immunology

Choose one Health Care course:

__ 3	HC		
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Choose one additional 4-credit Science 300 or higher with lab:

__ 4	BIO/CHE		
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#### **Chemistry Requirements (35)**

__ 3	CHE	121	Gen College Chemistry I	
__ 3	CHE	122	Gen College Chemistry II	
__ 1	CHE	123	Gen College Chemistry Lab I	
__ 1	CHE	124	Gen College Chemistry Lab II	
__ 3	CHE	221	Organic Chemistry I	
__ 3	CHE	222	Organic Chemistry II	
__ 1	CHE	223	Organic Chemistry Lab I	
__ 1	CHE	224	Organic Chemistry Lab II	
__ 4	CHE	321	Analytical Chemistry	__ Lab
__ 3	CHE	361	Biochemistry	
__ 1	CHE	363	Biochemistry Lab	
__ 3	CHE	382	Inorganic Chemistry	
__ 1	CHE	399	Intro to Chem Research	
__ 2	CHE	400	Senior Research	
__ 4	CHE	421	Physical Chemistry	__ Lab
__ 1	CHE	475	Senior Seminar	

#### **Biochemistry Track (18)**

__ 3	BIO	352	Physiology	
__ 1	BIO	354	Physiology Lab	
__ 3	BIO	372	Cell & Molecular Biology	
__ 1	BIO	374	Cell & Molecular Biology Lab	

#### **PLUS FOUNDATIONS REQUIREMENTS (49)**

(3 hours Math and 4 hours Science satisfied by required major courses.)

**Plus electives if needed for the 124 hour degree requirement**