

**Bachelor of Science 2024-25****Chemistry Major, Biochemistry Emphasis Major Codes CH03-07****CIP Code: 400501****Cr Hrs**

<b>General Education CORE 42 Requirements 42*</b>		<b>32</b>
Area 1A	Social & Behavioral Sciences	6
Area 1B	Civic Engagement	3
Area 2A	Written Communication	6
Area 2B	Oral Communication	3
Area 3A	Natural Science Non-Lab (CHEM 151 or PHYS 160 or BIO 110)	
Area 3B	Natural science With Lab (PHYS 160 or CHEM 151 or BIO 110)	
Area 4	Mathematics (MATH 150)	
Area 5A	Humanities (Mod. Lang. for 3)	3
Area 5B	Fine Arts	3
Area 5C	Global Competencies (Mod. Lang.)	
Area 5D	Health and Wellness	2
<b>UE 100</b>	<b>University Experience**</b>	<b>1</b>
<b>Chemistry Requirements</b>		<b>38</b>
CHEM 151	General Chemistry I	5
CHEM 152	General Chemistry II	5
CHEM 201	Analytical Chemistry	5
CHEM 301	Organic Chemistry I	5
CHEM 302	Organic Chemistry II	5
CHEM 350	Biochemistry	3
CHEM 352	Metabolic Biochemistry	3
CHEM 355	Biochemical Techniques	2
CHEM 400	Elementary Physical Chemistry	4
CHEM 460	Chemistry Capstone	1
<b>Supporting Requirements</b>		<b>32</b>
BIO 110	Principles of Biology I	4
BIO 111	Principles of Biology II	4
BIO 210	Molecular Cell Biology***	4
BIO 305	Genetics	4
BIO 464	Advanced Cell Biology	3
PHYS 160	Elementary College Physics I***	4
PHYS 162	Elementary College Physics II	4
MATH 150	Calculus & Analytic Geometry I***	5
<b>Electives</b>		<b>17</b>
<b>Total Hours</b>	<b>Must include at 39 upper division (300-400) hrs</b>	<b>120</b>

\*CHEM 140 and BIO 108/109 satisfy CORE 42 area 3A&B (7 hours) and math requirements satisfy CORE 42 area 4 (3 hours).

\*\*Degree Requirement H, may also be met by HNRS 101 (2 credit hours)

\*\*\*See Prerequisites

\*\*\*\*Suggested Electives (CHEM 422, 427,431,450,491,497, BIO 231,301

CH03 BS Chemistry Pre-medical  
 CH04 BS Chemistry Pre-pharmacy  
 CH05 BS Chemistry Pre-veterinarian

CH06 BS Chemistry Pre-dental  
 CH07 BS Chemistry Pre-optometry