



<b>Bachelor in Arts with a major in BIOCHEMISTRY</b>		
<b>MWC Courses</b>	<b>Credits</b>	<b>Saint Mary's Courses</b>
CHEM 1101 General Chemistry I	4	C131/133 General Chemistry I & Lab
CHEM 1102 General Chemistry II	4	C142/144 General Chemistry II & Lab
CHEM 2201 Organic Chemistry I	4	C321/323 Organic Chemistry I & Lab
CHEM 2202 Organic Chemistry II	4	C325/326 Organic Chemistry II & Lab
MATH 1121 Calculus I	4	M151 Calculus I
MATH 1122 Calculus II	4	M152 Calculus II
PHYS 2121 General Physics I	4	P201/202 Intro. Physics I & Lab
PHYS 2122 General Physics II	4	P211/212 Intro. Physics II & Lab

It is recommended, but not required, that students take the following course(s) at MWC:		
BIOL 1110 Principles of Biology I	3	B212 General Biology I: Cellular and Molecular Biology AND B223 Biology Lab Experience
BIOL 1111 Principles of Biology II	3	B216 General Biology III: Ecology, Evolution, and Biological Diversity

Students may transfer an unlimited amount of credit from Minnesota West College into Saint Mary's University of Minnesota. Upon transferring into Saint Mary's, students are required to meet all graduation requirements. The courses listed above meet specific requirements of the Chemistry program, and are part of the MWC/SMUMN transfer pathway. Students are strongly encouraged to meet with a Saint Mary's adviser to discuss how to optimize transfer credit. All courses must be completed with a C- or better to transfer, however the first three courses above must be completed with a C or better to count towards the Biochemistry major at Saint Mary's.

<b>A.A. Degree Credit Breakdown</b>	<b>Credits</b>	
Completion of MnTC Requirements	32	Meets General Education Requirements
Total Credits Transferred for A.A. Degree	60	

<b>Major courses remaining to complete B.A. in Biochemistry</b>	<b>Credits</b>
B212 General Biology I: Cellular and Molecular Biology*	3
B214 General Biology II: Form and Function of Animals and Plants**	3
B216 General Biology III: Ecology, Evolution, and Biological Diversity*	3
B223 Biology Lab Experience*	1
C331 Physical Chemistry I with Lab	4
C341 Quantitative Chemical Analysis with Lab	4
C409 Biochemistry with Lab	4
C412 Molecular Biology with Lab	4
C443 Chemistry Seminar	1
C445 Chemistry Research: Planning	1
C446 Chemistry Research: Experience	1
C447 Chemistry Research: Thesis	1
One Elective (B310, B311, C332, C441)	3-4

<b>Remaining graduation requirements for B.A. degree</b>	<b>Credits</b>
Approved Theology	3
INT499: Capstone	3

Minimum Total Credits completed at Saint Mary's University	<b>30</b>
Total General Elective Credits needed for Degree Completion***	30
Total minimum number of credits completed as part of A.A.	60
<b>Total Credits for B.A. in Chemistry Degree</b>	<b>120</b>

\*If not taken at Minnesota West College.

\*\*Students can get credit for B214 by taking both BIOL 2201 Human Anatomy AND BIOL 2202 Human Physiology at Minnesota West College.

\*\*\*General Electives credits can be taken at MWC, Saint Mary's University of Minnesota, or any other regionally accredited institution.