



Bachelor in Arts with a major in BIOCHEMISTRY

| IHCC Courses | Credits | Saint Mary's Courses |
|--------------------------------------|----------------|-------------------------------------|
| CHEM 1061 Principles of Chemistry I | 4 | C131/133 General Chemistry I & Lab |
| CHEM 1062 Principles of Chemistry II | 4 | C142/144 General Chemistry II & Lab |
| CHEM 2061 Organic Chemistry I | 4 | C321/323 Organic Chemistry I & Lab |
| CHEM 2062 Organic Chemistry II | 4 | C325/326 Organic Chemistry II & Lab |
| MATH 1133 Calculus I | 4 | M151 Calculus I |
| MATH 1134 Calculus II | 4 | M152 Calculus II |
| PHYS 1081 Calculus Based Physics I | 4 | P201/202 Intro. Physics I & Lab |
| PHYS 1082 Calculus Based Physics II | 4 | P211/212 Intro. Physics II & Lab |

It is recommended, but not required, that students take the following course(s) at IHCC:

| | | |
|------------------------------------|---|--|
| BIOL 1154 Principles of Biology I | 3 | B212 General Biology I: Cellular and Molecular Biology AND B223 Biology Lab Experience |
| BIOL 1155 Principles of Biology II | 3 | B216 General Biology III: Ecology, Evolution, and Biological Diversity |

Students may transfer an unlimited amount of credit from Inver Hills Community 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 IHCC/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.

| A.A. Degree Credit Breakdown | Credits | |
|---|----------------|--------------------------------------|
| Completion of MnTC Requirements | 32 | Meets General Education Requirements |
| Total Credits Transferred for A.A. Degree | 60 | |

| Major courses remaining to complete B.A. in Biochemistry | Credits |
|---|----------------|
| 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 |

| Remaining graduation requirements for B.A. degree | Credits |
|--|----------------|
| Approved Theology | 3 |
| INT499: Capstone | 3 |

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

*If not taken at Inver Hills Community College.

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