B.A. in Chemistry 2020-2021: Option 1 - CWILT

| CHE 113 | s Spring 4 CHE 214 & CHE 215 (or elective if CHE208/208D was taken in the fall) General Chemistry IIGeneral Chemistry II Lab *1 MAT 125 Calculus 2 BIB 101 Introduction to the Bible GES 160 Inquiry Seminar 4 s Spring 3 CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab PHY 296 & PHY 297 General Physics II and General Physics II Lab THE 201 Christian Theology | Credit: |
|--|--|---------|
| CHE 113 8 CHE 1130 General Chemistry I and General Chemistry I Lab *1 OR CR CLE 208 8 CHE 2080 Accelerated General Chemistry and Accelerated General Chemistry Lab *1 Sept 100 Christianity Western Culture Set 100 Christianity Western Set 100 Christianity Western Set 100 Christianity Western Set 100 Christianity Western Life and Thought (L) course 1 World Cultures (U) course 2 A Contemporary Western Life and Thought (L) course 2 A Contemporary Western Life and Thought (L) course 3 Christianity Seminar: Research and Professional Development 1 Science, Technology, and Society (K) course 1 Christianity Seminar: Research and Professional Development 1 Science, Technology, and Society (K) course Christianity Seminar: Research and Professional Development 1 Science, Technology, and Society (K) course | 4 CHE 214 & CHE 215 (or elective if CHE208/208D was taken in the fall) General Chemistry II General Chemistry II Lab *1 MAT 125 Calculus 2 BIB 101 Introduction to the Bible GES 160 Inquiry Seminar 4 S Spring 3 CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab PHY 296 & PHY 297 General Physics II and General Physics II Lab | 1 |
| General Chemistry I and General Chemistry I Lab *1 OR CHE 208 6. CHE 208 6. CHE 208 C | & CHE 215 (or elective if CHE208/208D was taken in the fall) General Chemistry II General Chemistry II Lab *1 MAT 125 Calculus 2 BIB 101 Introduction to the Bible GES 160 Inquiry Seminar Spring 3 CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab PHY 296 & PHY 297 General Physics II and General Physics II Lab | 1 |
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| Accelerated General Chemistry and Accelerated General Chemistry Lab 1 355 130 Christianity Western Culture 355 140 Introduction to Wellbeing 36 | S Spring 3 CHE 226 & CHE 227 Organic Chemistry II and Organic Chemistry II Lab PHY 296 & PHY 297 General Physics II and General Physics II Lab | 1 |
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| CHE 344 & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab | 3 CHE 312 | |
| & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab | & CHE 313 | |
| & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab | Quantitative Analysis and Quantitative Analysis Lab | |
| & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab | | |
| & CHE 345 Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab | CHE 490 Chemistry Seminar: Research | |
| Thermodynamics, Kinetics, and Statistical Mechanics and Thermodynamics, Kinetics, and Statistical Mechanics Lab | CHE 430 CHEMISTRY SEMINAL RESEARCH | |
| Thermodynamics, Kinetics, and Statistical Mechanics Lab | | |
| | | |
| Chemistry Elective 4 | | |
| Chemistry Elective 4 | | |
| Chemistry Elective 4 | | |
| | Chemistry Elective | 4 |
| Interpreting Biblical Themes (J) course 3 | Comparative Systems (G) course | ; |
| Leisure and Lifetime Sports (Q) course 1 | Cross Cultural Experience (Z) course | 0-: |
| | 3 | 13-1 |
| FOURTH YEAR | | |
| | | Credit |
| Electives 12 Interim Off | Spring | Oredit |
| LIGUINGS 12 III.GIIII OII | S Spring | |
| Observices Floring | S Spring CHE 494 Chemistry Seminar: Research Presentation | |
| Chemistry Elective 4 | CHE 494 Chemistry Seminar: Research Presentation | |
| | | |
| | CHE 494 Chemistry Seminar: Research Presentation Contemporary Christian Issues (P) course | |
| 16 | CHE 494 Chemistry Seminar: Research Presentation Contemporary Christian Issues (P) course Electives | 1 |

^{*1.} CHE 208/CHE 208D is a one-semester course that meets the requirements of CHE 113/CHE 113D and CHE 214/CHE 215. Students taking CHE 208/CHE 208D may choose an elective in the Spring of their Freshman year.

This program assumes a student will use CHE 113 General Chemistry I/CHE 113D General Chemistry I Lab and MAT 124M Calculus 1 to meet the General Education Laboratory Science (D) and Mathematics (M) course requirements.

Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)

^{*2.} Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

B.A. in Chemistry 2020-2021: Option 2 - Humanities

| FIRST YEAR | | Dec. 1 | | | |
|--|---------|--|---------|---|-------|
| Fall | | Interim | | Spring | Cred |
| CHE 113 | 4 | GES 147 Humanities II: Renaissance and Reformation | 4 | CHE 214 | |
| & CHE 113D | | | | & CHE 215 | |
| General Chemistry I and General Chemistry I Lab *1 | | | | (or elective if CHE208/208D was taken in fall) General | |
| 00 | | | | Chemistry IIGeneral Chemistry II Lab *1 | |
| OR | | | | MAT 125 Calculus 2 | |
| CHE 208 | | | | GES 244 Humanities III: European Enlightenment and American | |
| & CHE 208D | | | | Culture to 1877 | |
| Accelerated General Chemistry and Accelerated General Chemistry Lab *1 | | | | | |
| MAT 124M Calculus 1 | 4 | | | BIB 101 Introduction to the Bible | |
| | 4 | | | BIB 101 Introduction to the Bible | |
| GES 140 Introduction to Wellbeing | | | | | |
| GES 145 Humanities I: Greco-Roman through Middle Ages | 4 | | | | |
| | 15 | | 4 | | |
| SECOND YEAR | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credi |
| CHE 200 Laboratory Safety and Chemical Hygiene | 1 | World Cultures (U) course | 3 | CHE 226 | |
| | | | | <u>& CHE 227</u> | |
| | | | | Organic Chemistry II and Organic Chemistry II Lab | |
| CHE 224 | 4 | | | PHY 296 | |
| <u>& CHE 225</u> | | | | <u>& PHY 297</u> | |
| Organic Chemistry I and Organic Chemistry I Lab | | | | General Physics II and General Physics II Lab | |
| PHY 292 | 4 | | | Second Language (S) course *2 | |
| & PHY 292D | | | | | |
| General Physics I and General Physics I Lab | | | | | |
| GES 246 Humanities IV: Modern and Contemporary Western Culture | 4 | | | Elective | |
| | | | | | |
| | 13 | | 3 | | |
| THIRD YEAR | | | • | | |
| Fall | Credits | Interim | Credits | Spring | Cred |
| CHE 395 Chemistry Seminar: Research and Professional Development | | Science, Technology, and Society (K) course | | CHE 312 | 0.00 |
| | | (.,, | | & CHE 313 | |
| | | | | Quantitative Analysis and Quantitative Analysis Lab | |
| CHE 344 | 4 | | | CHE 490 Chemistry Seminar: Research | |
| & CHE 345 | | | | One 150 One mistry Seminary Research | |
| Thermodynamics, Kinetics, and Statistical Mechanics and | | | | | |
| Thermodynamics, Kinetics, and Statistical Mechanics Lab | | | | | |
| Chemistry Elective | 4 | | | Chemistry Elective | |
| Interpreting Biblical Themes (J) course | 3 | | | Comparative Systems (G) course | |
| Leisure and Lifetime Sports (Q) course | 1 | | | Elective | |
| | 13 | | 3 | | |
| FOURTH YEAR | | | | | |
| Fall | Crodito | Interim | Cradita | Spring | Credi |
| | | | Credits | Spring | Crea |
| Electives Character Starting | | Interim Off | | CHE 494 Chemistry Seminar: Research Presentation | |
| Chemistry Elective | 4 | | | Contemporary Christian Issues (P) course | |
| Artistic Experience (A) course | 0-3 | | | Electives | |
| | | | | Cross Cultural Experience (Z) course | C |
| | 15-Dec | | 0 | | 15-D |

^{*1.} CHE 208/CHE 208D is a one-semester course that meets the requirements of CHE 113/CHE 113D and CHE 214/CHE 215. Students taking CHE 208/CHE 208D may choose an elective in the Spring of their Freshman year.

This program assumes a student will use CHE 113/CHE 113D and MAT 124M to meet the General Education Laboratory Science (D) and Mathematics (M) course requirements.

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