

B.A. in Mathematics with Education 5-12 Licensure 2017-2018: Option 1 - CWILT

| First Year | | | | | |
|--|---------|---|---------|--|---------|
| Fall | Credits | Interim | Credits | Spring | Credits |
| MAT124M Calculus 1 | 4 | GES160 Inquiry Seminar | 3 | MAT125 Calculus 2 | 4 |
| GES130 Christianity Western Culture | 4 | | | BIB101 Introduction to the Bible | 3 |
| COS100 Introduction to Programming | 3 | | | GES125 Introduction to the Creative Arts | 4 |
| GES140 Introduction to Wellbeing | 3 | | | Laboratory Science (D) course | 4 |
| | 14 | | 3 | | 15 |
| Second Year | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credits |
| MAT223 Multivariable Calculus | 3 | EDU2002 Introduction to Education | 3 | MAT211 Linear Algebra | 3 |
| MAT241 Discrete Mathematics | 3 | EDU201 Introduction to Education Field Experience | 1 | COS105 Computer Science 1 | 4 |
| THE201 Christian Theology | 3 | | | EDU203 School Health and Drugs | 2 |
| Second Language (S) course | 4 | | | World Cultures (U) course ³ | 3 |
| Leisure and Lifetime Sports (Q) course | 1 | | | Contemporary Western Life and Thought (L) course | 3 |
| | 14 | | 4 | | 15 |
| Third Year | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credits |
| Math choice: MAT344 (fall), MAT376 (fall, odd years), MAT331 (spring, e) | 42798 | Interpreting Biblical Themes (J) course | 3 | MAT310 Algebraic Structures | 4 |
| MAT330 Probability and Statistics | 3 | | | EDU220 Introduction to Middle Level Education | 3 |
| EDU240 Educational Psychology | 3 | | | EDU320 Pedagogy and the Young Adolescent Learner | 1 |
| EDU241 Educational Psychology Field Experience | 1 | | | EDU321 Integrated Literacy in the Content Areas | 1 |
| Artistic Experience (A) course | 0-3 | | | EDU317GZ Educational Equity | 3 |
| Science, Technology, and Society (K) course | 3 | | | | |
| | 13-17 | | 3 | | 12 |
| Fourth Year | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credits |
| MAT422 Real Analysis | 3 | MAT499 Foundations of Mathematics | 3 | EDU490 Student Teaching Block | 14 |
| MAT351 (fall, even years) Modern Geometry | 3 | | | | |
| EDU411 Mathematics Education Practicum in grades 5-8 or 5-12 | 1 | | | | |
| EDU412 Methods in Teaching 5-12 Mathematics | 3 | | | | |
| Contemporary Christian Issues (P) course | 3 | | | | |
| | 13 | | 3 | | 14 |
| Total Credits: 123-127 | | | | | |

1. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)
2. See Education section in catalog for testing requirements.
3. The Education Department offers an interim trip that meets the U requirement - EDU236UZ. See Education Abroad options.

This program assumes a student will use MAT124M and EDU317GZ to meet the general education Mathematics and Comparative Systems 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.)

B.A. in Mathematics with Education 5-12 Licensure 2017-2018: Option 2 - Humanities

| First Year | | | | | |
|--|---------|---|---------|--|---------|
| Fall | Credits | Interim | Credits | Spring | Credits |
| MAT124M Calculus 1 | 4 | GES147 Humanities II: Renaissance and Reformation | 4 | MAT125 Calculus 2 | 4 |
| BIB101 Introduction to the Bible | 3 | | | GES244 Humanities III: European Enlightenment and American Culture to 1877 | 4 |
| GES145 Humanities I: Greco-Roman through Middle Ages | 4 | | | Leisure and Lifetime Sports (Q) course | 1 |
| COS100 Introduction to Programming | 3 | | | GES140 Introduction to Wellbeing | 3 |
| | 14 | | 4 | | 12 |
| Second Year | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credits |
| MAT223 Multivariable Calculus | 3 | EDU2002 Introduction to Education | 3 | MAT211 Linear Algebra | 3 |
| MAT241 Discrete Mathematics | 3 | EDU201 Introduction to Education Field Experience | 1 | COS105 Computer Science 1 | 4 |
| GES246 Humanities IV: Modern and Contemporary Western Culture | 4 | | | EDU203 School Health and Drugs | 2 |
| Secondary Language (S) Course ¹ | 4 | | | Laboratory Science (D) Course | 4 |
| | 14 | | 4 | | 13 |
| Third Year | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credits |
| MAT330 Probability and Statistics | 3 | Interpreting Biblical Themes (J) course | 3 | MAT310 Algebraic Structures | 4 |
| MAT351 (fall, even years) Modern Geometry | 3 | | | EDU220 Introduction to Middle Level Education | 3 |
| EDU240 Educational Psychology | 3 | | | EDU320 Pedagogy and the Young Adolescent Learner | 1 |
| EDU241 Educational Psychology Field Experience | 1 | | | EDU321 Integrated Literacy in the Content Areas | 1 |
| World Cultures (U) course ³ | 3 | | | EDU317GZ Educational Equity | 3 |
| Artistic Experience (A) course | 0-3 | | | Science, Technology, and Society (K) course | 3 |
| | 13-16 | | 3 | | 15 |
| Fourth Year | | | | | |
| Fall | Credits | Interim | Credits | Spring | Credits |
| Math choice: MAT344 (fall), MAT376 (fall, odd years), MAT331 (spring, even years), Operations Research, Applied Statistics | 3 | MAT499 Foundations of Mathematics | 3 | EDU490 Student Teaching Block | 14 |
| MAT422 Real Analysis | 3 | | | | |
| EDU411 Mathematics Education Practicum in grades 5-8 or 5-12 | 1 | | | | |
| EDU412 Methods in Teaching 5-12 Mathematics | 3 | | | | |
| Contemporary Christian Issues (P) course | 3 | | | | |
| | 13 | | 3 | | 14 |
| Total Credits: 123-127 | | | | | |

1. Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)
2. See Education section in catalog for testing requirements.
3. The Education Department offers an interim trip that meets the U requirement - EDU236UZ. See Education Abroad options.

This program assumes a student will use MAT124M and EDU317GZ to meet the general education Mathematics and Comparative Systems 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.)