

B.S. in Neuroscience 2023-2024: Option 1 - CWILT

| FIRST YEAR | | | | | |
|--|---------|--|---------|---|---------|
| Fall | Credits | January Session | Credits | Spring | Credits |
| BIO 124 Integrative Biology: Genes, Cells, Change | 3 | GES 160 Inquiry Seminar | 3 | BIB 101 Introduction to the Bible | 3 |
| & BIO 124D Integrative Biology: Genes, Cells, Change Lab | 1 | | | CHE 214 General Chemistry II | 3 |
| CHE 113 General Chemistry I | 3 | | | & CHE 215 General Chemistry II Lab | 1 |
| & CHE 113D General Chemistry I Lab *1 | 1 | | | NSC 130 Introduction to Neuroscience | 3 |
| GES 140 Introduction to Wellbeing | 3 | | | & NSC 130D Intro to Neuroscience Lab | 1 |
| MAT 123M Precalculus | 3 | | | PSY 100 Introduction to Psychology | 3 |
| | | | | MAT 124M Calculus 1 *1 | 4 |
| | 14 | | 3 | | 18 |
| SECOND YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| BIO 128 Integrative Biology: Metabolism, Energy, Biodiversity | 3 | GES 125 Introduction to the Creative Arts | 4 | PHY 206 Introductory Physics II | 3 |
| & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity Lab | 1 | | | & PHY 207 Introductory Physics II Lab | 1 |
| GES 130 Christianity Western Culture | 4 | | | THE 201 Christian Theology | 3 |
| PHY 202 Introductory Physics I | 3 | | | Contemporary Western Life and Thought (L) course | 3 |
| & PHY 202D Introductory Physics I Lab | 1 | | | Second Language (S) course *2 | 4 |
| PSY 230M Introduction to Statistical Methods and Experimental Design | 4 | | | | |
| | 16 | | 4 | | 14 |
| THIRD YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| CHE 224 Organic Chemistry I | 3 | COS 100 (or COS 105/COS 205) Introduction to Programming | 3 | NSC 350 Neuroscience Methods | 3 |
| & CHE 225 Organic Chemistry I Lab | 1 | | | & NSC 351 Neuroscience Methods Lab | 1 |
| PSY 355 Research Principles and Laboratory | 4 | | | NSC 493 Literature Review in Neuroscience | 1 |
| Leisure and Lifetime Sport (Q) course | 1 | | | Cross Cultural Experience (Z) course | 0-3 |
| World Cultures (U) course | 3 | | | Interpreting Biblical Themes (J) course | 3 |
| Science, Technology, and Society (K) course | 3 | | | Psychology Elective | 3-4 |
| | 15 | | 3 | | 12-15 |
| FOURTH YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| NSC/BIO 358 Neurobiology | 3 | Interim Off | | NSC 499 Neuroscience Seminar | 1 |
| & NSC/BIO 359 Neurobiology Lab | 1 | | | Artistic Experience (A) course | 0-3 |
| NSC 496 Neuroscience Research | 1 | | | Contemporary Christian Issues (P) course | 3 |
| Biology Elective | 4 | | | Biology Elective | 4 |
| Comparative Systems (G) course | 3 | | | Elective (300-400 Level) | 4 |
| | 12 | | 0 | | 12-15 |
| Total Credits 123-129 | | | | | |

*1. This course meets a General Education requirement.

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

Most financial aid packages stipulate 12 credits/term; Minnesota state grants are reduced when credit load falls below 15 credits/semester. January Session credits are counted as part of Spring Term.

B.S. in Neuroscience 2023-2024: Option 2- Humanities

| FIRST YEAR | | | | | |
|--|---------|--|---------|---|---------|
| Fall | Credits | January Session | Credits | Spring | Credits |
| BIO 124 Integrative Biology: Genes, Cells, Change | 3 | GES 147 Humanities II: Renaissance and Reformation | 4 | CHE 214 General Chemistry II | 3 |
| & BIO 124D Integrative Biology: Genes, Cells, Change Lab | 1 | | | & CHE 215 General Chemistry II Lab | 1 |
| CHE 113 General Chemistry I | 3 | | | NSC 130 Introduction to Neuroscience | 3 |
| & CHE 113D General Chemistry I Lab *1 | 1 | | | & NSC 130D Intro to Neuroscience Lab | 1 |
| GES 145 Humanities I: Greco-Roman through Middle Ages | 4 | | | GES 244 Humanities III: European Enlightenment and American Culture to 1877 | 4 |
| MAT 123M Precalculus | 3 | | | MAT 124M Calculus 1 *1 | 4 |
| | 15 | | 4 | | 16 |
| SECOND YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| BIO 128 Integrative Biology: Metabolism, Energy, Biodiversity | 3 | GES 140 Introduction to Wellbeing | 3 | BIB 101 Introduction to the Bible | 3 |
| & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity Lab | 1 | | | PHY 206 Introductory Physics II | 3 |
| GES 246 Humanities IV: Modern and Contemporary Western Culture | 4 | | | & PHY 207 Introductory Physics II Lab | 1 |
| PHY 202 Introductory Physics I | 3 | | | PSY 230M Introduction to Statistical Methods and Experimental Design | 4 |
| & PHY 202D Introductory Physics I Lab | 1 | | | Second Language (S) course *2 | 4 |
| PSY 100 Introduction to Psychology | 3 | | | | |
| | 15 | | 3 | | 15 |
| THIRD YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| CHE 224 Organic Chemistry I | 3 | COS 100 (or COS 105/COS 205) Introduction to Programming | 3 | NSC 350 Neuroscience Methods | 3 |
| & CHE 225 Organic Chemistry I Lab | 1 | | | & NSC 351 Neuroscience Methods Lab | 1 |
| PSY 355 Research Principles and Laboratory | 4 | | | NSC 493 Literature Review in Neuroscience | 1 |
| Science, Technology, and Society (K) course | 3 | | | Psychology Elective | 4 |
| World Cultures (U) course | 3 | | | Interpreting Biblical Themes (J) course | 3 |
| Leisure and Lifetime Sport (Q) course | 1 | | | Cross Cultural Experience (Z) course | 0-3 |
| | 15 | | 3 | | 12-15 |
| FOURTH YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| NSC/BIO 358 Neurobiology | 3 | Interim Off | 0 | NSC 499 Neuroscience Seminar | 1 |
| & NSC/BIO 359 Neurobiology Lab | 1 | | | Artistic Experience (A) course | 0-3 |
| NSC 496 Neuroscience Research | 1 | | | Contemporary Christian Issues (P) course | 3 |
| Comparative Systems (G) course | 3 | | | Biology Elective | 4 |
| Biology Elective | 4 | | | Elective (300 or 400 level) | 4 |
| | 12 | | 0 | | 12-15 |
| Total Credits 122-128 | | | | | |

*1. This course meets a General Education requirement.

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

Most financial aid packages stipulate 12 credits/term; Minnesota state grants are reduced when credit load falls below 15 credits/semester. January Session credits are counted as part of Spring Term.

B.S. in Neuroscience 2023-2024: Sample plan entering with AA Degree

| FIRST YEAR | | | | | |
|---|---------|---|---------|--|---------|
| Fall | Credits | January Session | Credits | Spring | Credits |
| BIO 124 Integrative Biology: Genes, Cells, Change | 3 | COS 100 Introduction to Programming [1] | 3 | CHE 214 General Chemistry II | 3 |
| & BIO 124D Integrative Biology: Genes, Cells, Change Lab | 1 | | | & CHE 215 General Chemistry II Lab | 1 |
| CHE 113 General Chemistry I | 3 | | | NSC 130 Introduction to Neuroscience | 3 |
| & CHE 113D General Chemistry I Lab | 1 | | | & NSC 130D Intro to Neuroscience Lab | 1 |
| PSY 100 Introduction to Psychology [2] | 3 | | | PSY 230M Introduction to Statistical Methods and Experimental Design [3] | 4 |
| BIB 101 Introduction to the Bible *1 [4] | 3 | | | GES 130 Christianity Western Culture [5] | 4 |
| MAT 123M Precalculus | 3 | | | | |
| | 17 | | 3 | | 16 |
| SECOND YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| BIO 128 Integrative Biology: Metabolism, Energy, Biodiversity | 3 | Contemporary Christian Issues (P) course | 3 | PHY 206 Introductory Physics II | 3 |
| & BIO 128D Integrative Biology: Metabolism, Energy, Biodiversity Lab | 1 | | | & PHY 207 Introductory Physics II Lab | 1 |
| PHY 202 Introductory Physics I | 3 | | | NSC 350 Neuroscience Methods | 3 |
| & PHY 202D Introductory Physics I Lab | 1 | | | & NSC 351 Neuroscience Methods Lab | 1 |
| Psychology Elective | 3-4 | | | NSC 493 Literature Review in Neuroscience | 1 |
| CHE 224 Organic Chemistry I | 3 | | | Biology Elective | 4 |
| & CHE 225 Organic Chemistry I Lab | 1 | | | NSC 499 Neuroscience Seminar | 1 |
| | | | | MAT 124M Calculus 1 [6] | 4 |
| | 15-16 | | 4 | | 18 |
| THIRD YEAR | | | | | |
| Fall | Credits | January Session | Credits | Spring | Credits |
| PSY 355 Research Principles and Laboratory [7] | 4 | | | | |
| Biology Elective | 4 | | | | |
| Biology Elective (300-400 Level) | 4 | | | | |
| NSC 358 Neurobiology | 3 | | | | |
| & NSC 359 Neurobiology Lab | 1 | | | | |
| NSC 496 Neuroscience Research | 1 | | | | |
| | 17 | | | | |
| Total Credits: 86-87 at Bethel + 60 in AA degree = 146-147 | | | | | |
| *1. Must take one Biblical Foundations courses at Bethel | | | | | |
| Most financial aid packages stipulate 12 credits/term; Minnesota state grants are reduced when credit load falls below 15 credits/semester. January Session credits are counted as part of Spring Term. | | | | | |

[1] fall, interim

This requirement CAN be fulfilled by COS105 or COS205 as well, though COS105 requires COS100 as a prereq and COS205 requires MAT124M

[2] fall, spring

[3] fall, spring

[4] fall, interim, spring

[5] fall, interim, spring, occ. summer

[6] fall, spring

Preq: MAT 123M or Equivalent high school or college course(s) & Satisfactory completion of Math & Computer Science dept placement requirements

[7] fall, spring

Preq: PSY100 and PSY230M