This guide is intended for students completing the Biology A.S. Transfer Pathway. Students who do not intend to complete the 60-credit program should contact Grace at grace-koehn@bethel.edu for course selection advice. All courses must be completed with a C or better to transfer. If planning to apply to graduate school, courses should be graded a B or better. Although not required, completing the MnTC prior to transfer is an option for students.

The table below lists the courses that have approved equivalencies at Bethel or fulfill requirements for the Biology B.A. or B.S. major and general graduation requirements.

North Hennepin Community College course	**Credits**	**Bethel University course**
BIOL 1101 & 1102 Principles of Biology I & II	8	Meets BIO 124 & 128 Integrative Biology I & II
BIOL 2360 Genetics	4	Meets cell and molecular area choice (BIO332 & 333 Genetics and Genetics Lab)
Program course electives: BIOL 2610 Ecology CHEM 2061 & 2062 Organic Chemistry	14	Meets: Environmental area choice (BIO330 & 331 Ecology and lab) CHE 224 & 226 Organic Chemistry I&II with labs
CHEM 1061 & 1062 Principles of Chemistry I & II	8	CHE 113 & 214 General Chemistry I & II and labs
Goal area 1 - complete Goal area 1 requirements	6	Meets GES 160 Inquiry Seminar requirement
Goal area 2 – fulfilled with MnTC		
Goal area 3- fulfilled by previous sciences		
Goal area 4 – select two MATH 1210 Applied Statistics **AND** MATH 1150 or higher (Pre-calculus or Calc I recommended for Biology B.S.)	7	Meets Math (M) course requirement
Goal area 5 – one course	3	Meets Global Perspectives requirement
Goal area 6 – one course	3	Meets Personal Development requirement
If additional course required to reach 60 credits, BIOL courses recommended		Meets Biology electives
Total credits for A.S. degree	60	

Remaining major courses for Biology B.A. degree	**Credits**
BIO 218 Biology in a Changing World	3
BIO 399 Introduction to Research	1
BIO 461 Internship in Biology **or** BIO 496/497 Biology Research	2-3
BIO 495 Biology Seminar	2
BIO 499 Biology Symposium	0
Biology organismic area course	4
Biology environmental area choice (fulfilled by BIO 2200)	4
Biology electives (depends on biology courses taken at LSC)	12-16
Total major specific credits	28-33

Remaining major courses for Biology B.S. degree	**Credits**
BIO 218 Biology in a Changing World	3
BIO 399 Introduction to Research	1
BIO 461 Internship in Biology **or** BIO 496/497 Biology Research	2-3
BIO 495 Biology Seminar	2
BIO 499 Biology Symposium	0
Biology organismic area course	4
Biology environmental area choice (fulfilled by BIO 2610)	4
CHE 224 & 226 Organic Chemistry I&II with labs (if not taken at NH)	8
Physics I&II elective	8
MAT 124M & 125 Calculus 1 & 2 (if not taken at NH)	4-8
Biology electives (depends on biology courses taken at NH)	12-16
Total major specific credits	44-53

Remaining graduation requirements for B.A. or B.S. degree	**Credits**
GES 130 Christianity Western Culture	4
Biblical Foundations course	3
Contemporary Christian Issue (P)	3
A course (if MnTC is not completed)	0-3
G, U, or S course (if MnTC is not completed)	3-4
Electives to reach 122 credits	Varies
Total credits completed at Bethel University	62
Total credits for B.A. or B.S. degree	122

The table below lists the courses that have approved equivalencies at Bethel or fulfill requirements for the Biochemistry/Molecular Biology B.S. or Biochemistry B.A. major and general graduation requirements.

North Hennepin Community College course	**Credits**	**Bethel University course**
BIOL 1101 & 1102 Principles of Biology I & II	8	Meets BIO 124 & 128 Integrative Biology I & II
BIOL 2360 Genetics	4	Meets cell and molecular area choice (BIO332 & 333 Genetics and Genetics Lab)
Program course electives: BIOL 2610 Ecology CHEM 2061 & 2062 Organic Chemistry	14	Meets: Environmental area choice (BIO330 & 331 Ecology and lab) CHE 224 & 226 Organic Chemistry I&II with labs
CHEM 1061 & 1062 Principles of Chemistry I & II	8	CHE 113 & 214 General Chemistry I & II and labs
Goal area 1 - complete Goal area 1 requirements	11	Meets GES 160 Inquiry Seminar requirement
Goal area 2 – fulfilled with MnTC		
Goal area 3- fulfilled by previous sciences		
Goal area 4 – select two MATH 1210 Applied Statistics **AND** MATH 1150 or higher (Pre-calculus or Calc I recommended for Biology B.S.)	6-8	Meets Math (M) course requirement
Goal area 5 – one course	3	Meets Global Perspectives requirement
Goal area 6 – one course	3	Meets Personal Development requirement
If additional course required to reach 60 credits, BIOL courses recommended		Meets Biology electives
Total credits for A.S. degree	60	

Remaining major courses for Biochemistry/Cellular Biology B.S. degree	Credits
BIO or CHE 388 & 389 Biochemistry I & Lab	4
BIO 354 & 355 Cell Biology & Lab	4
BIO 396 & 397 Molecular Biology & Lab	4
CHE 200 Laboratory Safety and Chemical Hygiene	1
CHE 224, 225, 226, & 227 Organic Chemistry I&II	8
Physics Sequence	8
CHE 396 & 397 Biochemistry II & Lab	4
CHE 312 & 313 Quantitative Analysis & Lab	4
CHE 344 & 345 Thermodynamics, Kinetics, and Statistical Mechanics & Lab	4
MAT 123M Pre-Calculus (if not taken at NH)	3
MAT 124M Calculus I (if not taken at NH)	4
MAT 125 Calculus II	4
Biology or Chemistry Capstone sequence	4-5
Total major specific credits	41-57

Remaining major courses for Biochemistry B.A. degree	Credits
BIO or CHE 388 & 389 Biochemistry I & Lab	4
CHE 200 Laboratory Safety and Chemical Hygiene	1
CHE 224, 225, 226, & 227 Organic Chemistry I&II	8
Physics Sequence	8
CHE 396 & 397 Biochemistry II & Lab	4
Chemistry Capstone sequence	4
300 level science courses	12
Total major specific credits	41

Remaining graduation requirements for Biochemistry/Cellular Biology degree	Credits
GES 130 Christianity Western Culture	4
Biblical Foundations course	3
Contemporary Christian Issue (P)	3
A course (if MnTC is not completed)	0-3
G, U, or S course (if MnTC is not completed)	3-4
Electives to reach 122 credits	Varies
Total credits completed at Bethel University	62
Total credits for B.S. degree	122