



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](mailto: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.

South Central College course	Credits	Bethel University course
BIOL 115 & 116 General Biology I & II	8	Meets BIO 124 & 128 Integrative Biology sequence
BIOL 211 Genetics	4	Meets cell and molecular area choice (BIO332 & 333 Genetics and Genetics Lab)
Complete one of the following courses: BIOL 215 General Ecology BIOL 270 General Microbiology	4	Meets: Environmental area choice (BIO330 & 331 Ecology and lab) Biology elective (BIO234 & 235 Microbiology and lab)
BIOL 250 Biology Capstone	2	
CHEM 120 & 121 Principles of Chemistry I & II	10	CHE 113 & 214 General Chemistry I & II and labs
Complete one of the following courses: PHYS 101 Introductory Physics BIOL 220 Human Anatomy (recommended) BIOL 230 Human Physiology (recommended)	3-4	Meets: Physics elective Organismic area choice (BIO 214 & 215 Anatomy and lab) Organismic area choice (BIO 216 & 217 Physiology and lab)
Goal area 1 - complete goal area requirements	11	Meets GES 160 Inquiry Seminar requirement
Goal area 3- fulfilled by previous sciences		
Goal area 4 – MATH 120 College Algebra <b>AND</b> MATH 125 Trigonometry <b>OR</b> MATH 154 Elementary Statistics (Stats recommended for Biology B.S.)	7-8	Meets Math (M) course requirement
Goal area 5 – complete at least one course	3	Meets Global Perspectives requirement
Goal area 6 – complete at least one course	3	Meets Personal Development requirement
Goal areas 7-10 – complete at least one course	3	
If additional course required to reach 60 credits, BIOL courses recommended, or CHEM220, or PHYS211 & 212 or PHYS221 & 222		Meets Biology electives CHE224 & 225 Organic Chemistry I & lab Physics sequence
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 <b>or</b> BIO 496/497 Biology Research	2-3
BIO 495 Biology Seminar	2
BIO 499 Biology Symposium	0
Biology organismic area course (fulfilled by BIOL 220 or BIOL 230)	4
Biology environmental area choice (fulfilled by BIOL 215)	4
Biology electives (depends on biology courses taken at SCC)	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 481 Internship in Biology <b>or</b> BIO 496 & 497 Biology Research	2-3
BIO 495 Biology Seminar	2
BIO 499 Biology Symposium	0
Biology organismic area course (fulfilled by BIOL 220 or BIOL 230)	4
Biology environmental area choice (fulfilled by BIOL 215)	4
CHE 224 & 226 Organic Chemistry I & II with labs (if not taken at SCC)	8
Physics I & II elective (if not taken at SCC)	8
Calculus or Statistics course (if not taken at SCC)	4
Biology electives (depends on biology courses taken at SCC)	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. major or Biochemistry B.A. and general graduation requirements.

South Central College course	Credits	Bethel University course
BIOL 115 & 116 General Biology I & II	8	Meets BIO 124 & 128 Integrative Biology I & II
BIOL 211 Genetics	4	BIO332 & 333 Genetics and Genetics Lab
Complete one of the following courses: BIOL 215 General Ecology BIOL 270 General Microbiology	4	Meets: Elective Elective
BIOL 250 Biology Capstone	2	
CHEM 120 & 121 Principles of Chemistry I & II	10	CHE 113 & 214 General Chemistry I & II and labs
Complete one of the following courses: PHYS 101 Introductory Physics BIOL 220 Human Anatomy BIOL 230 Human Physiology	3-4	Meets: Physics elective Elective Elective
Goal area 1 - complete goal area requirements	11	Meets GES 160 Inquiry Seminar requirement
Goal area 2 – fulfilled with MnTC		
Goal area 3- fulfilled by previous sciences		
Goal area 4 – MATH 120 College Algebra <b>AND</b> MATH 125 Trigonometry <b>OR</b> MATH 154 Elementary Statistics	7-8	Meets Math (M) course requirement
Goal area 5 – complete at least one course	3	Meets Global Perspectives requirement
Goal area 6 – complete at least one course	3	Meets Personal Development requirement
Goal areas 7-10 – complete at least one course	3	
If additional course required to reach 60 credits, we recommend CHEM220, or PHYS211 & 212 or PHYS221 & 222		CHE224 & 225 Organic Chemistry I & lab Physics sequence
Total credits for A.S. degree	60	



<b>Remaining major courses for Biochemistry/Molecular Biology B.S. degree</b>	<b>Credits</b>
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 (if not taken at SCC)	8
Physics Sequence (if not taken at SCC)	8
CHE 388 & 389 Biochemistry I & Lab	4
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	3
MAT 124M Calculus I	4
MAT 125 Calculus II	4
Biology or Chemistry Capstone sequence	4-5
Total major specific credits	41-57

<b>Remaining major courses for Biochemistry B.A. degree</b>	<b>Credits</b>
CHE 200 Laboratory Safety and Chemical Hygiene	1
CHE 224, 225, 226, & 227 Organic Chemistry I&II (if not taken at SCC)	8
Physics Sequence (if not taken at SCC)	8
CHE 388 & 389 Biochemistry I & Lab	4
CHE 396 & 397 Biochemistry II & Lab	4
Chemistry Capstone sequence	4
300 level science courses	12
Total major specific credits	41

<b>Remaining graduation requirements for B.S. or B.A. degree</b>	<b>Credits</b>
GES 130 Christianity and 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