

Effective for the 2018 – 2019 Catalog. Concordia University, Nebraska accepts up to 70 hours of credit from a two-year college toward the completion of a four-year program of study. Only courses with a grade of C- or above will be accepted for transfer credit. Students must also complete a minimum of 30 hours at CUNE with a minimum of 12 hours completed at the 300 or 400 level. A minimum of 120 hours must be completed with total hours required varying by major. **Specific graduation requirements can be found in the Undergraduate Catalog.**

CUNE: BS Biology

SCC: Academic Transfer – Biological Science

General Education - Students who complete an **Associate of Arts Degree** or an **Associate of Science Degree** at **Southeast Community College** shall be considered to have completed all but the Biblical Literacy and Theology requirements of the general education requirements. (Refer to the current Undergraduate Catalog for specific general education requirements.)

REL 121	History and Literature of the Old Testament	3		---	---	---
REL 131	History and Literature of the New Testament	3		---	---	---
THEO 210	Faith & Life	3		---	---	---

CUNE Course #	CUNE Course Name	Hours		SCC Course #	SCC Course Name	Semester Hours/ (Quarter Hours)
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BS Biology Hours	Total	63 - 65				
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Required Courses

Biology Core **38**

BIO 111	General Biology I	(4)		BIOS1400	Biology I w lab	4/(6)
BIO 112	General Biology II	(4)		BIOS1410	Biology II w lab	4/(6)
BIO 208	General Genetics	(4)		BIOS2410	General Genetics w lab	4/(6)
MATH 122	Introduction to Statistics	(3)		MATH/BSAD2170	Applied Statistics	3/(4.5)
MATH 184 or MATH 182	Calculus I (4) Calculus with Applications (3)	(3 - 4)		MATH1600/1700/2080	Calculus & Analytic Geometry	5/(7.5)
PHYS 111	General Physics I	(4)		PHYS2110	General Physics I w lab	5/(7.5)
PHYS 112	General Physics II	(4)		PHYS2120	General Physics II w lab	5/(7.5)
CHEM 115	General Chemistry	(4)		CHEM1090	General Chemistry I with lab	4/(6)
CHEM 231	Organic Chemistry I	(4)		CHEM2510	Organic Chemistry I	4/(6)
BIO 399 or BIO 498	Research in Biology Biology Internship	(3)				

**Select 1 Biology Emphasis
(on following pages)**

Biology Emphasis – select 1						
	General Biology Emphasis	26				
Electives	Biology courses - selected with CUNE advisor (May include CHEM 116, 325, 331, 345)	(26)		CUNE Advisor will determine electives.		
	Human Biology Emphasis	26				
BIO 343	Human Anatomy & Physiology I	(4)		BIOS2250 Or BIOS1140	Human Anatomy & Physiology I w lab Anatomy	4/(6)
BIO 344	Human Anatomy & Physiology II	(4)		BIOA2260 Or BIOS2130	Human Anatomy & Physiology II w lab Physiology	4/(6)
BIO 251	Medical Terminology	(2)		MEDA1101	Basic Medical Terminology	1/(2)
BIO 351	General Microbiology	(4)		BIOS2460	Microbiology w lab	4/(6)
Electives from:		12				
BIO 271	Embryology	(3)				
BIO 321	Principles of Pharmacology	(3)				
BIO 319	Cell & Molecular Biology	(3)				
BIO 385	Physiology of Exercise	(3)				
BIO 450	Gross Anatomy	(3)				
BIO 465	Human Diseases	(3)				
BIO 489	Immunology	(3)				
CHEM 331	Organic Chemistry II	(4)		CHEM2520	Organic Chemistry II	4/(6)
CHEM 345	Biochemistry	(3)		CHEM2550	Biological Organic Chemistry	3/(4.5)
CHEM 346	Introductory Biochemistry Lab	(1)				
HHP 395	Biomechanics	(3)				
	Biochemistry & Molecular Biology Emphasis	26				
BIO 319	Cell and Molecular Biology	(3)				
BIO 351	General Microbiology	(4)		BIOS2460	Microbiology w lab	4/(6)
BIO 489	Immunology	(3)				
CHEM 331	Organic Chemistry II	(4)		CHEM2520	Organic Chemistry II	4/(6)
CHEM 345	Introductory Biochemistry	(3)		CHEM2550	Biological Organic Chemistry	3/(4.5)
CHEM 346	Introductory Biochemistry Lab	(1)				
Electives	BIO 271 or any BIO or CHEM course 300 or above	(8)				

	<i>Organismal Biology Emphasis</i>	25				
BIO 122	General Zoology	(3)		BIOS1120	Intro to Zoology w lab	4/(6)
BIO 225	Vertebrate Anatomy & Morphology	(3)				
BIO 317	Ecology and Field Biology	(3)		BIOS2200	Principles of Ecology	4/(6)
BIO 345	Midwest Floral Identification	(3)				
BIO 36X	One Biology Study Tour	(3)				
Electives	Biology Electives may include CHEM 345	(10)				
	<i>Forensic Science Emphasis</i>	25				
BIO 230	Introduction to Forensic Science	(3)				
BIO 231	Introduction Forensic Science Lab	(1)				
BIO 330	Advanced Forensic Science	(3)				
CHEM 116	General Inorganic & Qualitative Analysis	(4)		CHEM1100	General Chemistry II	4/(6)
CHEM 325	Quantitative Analytical Chemistry	(4)				
SOC 321	Criminology	(3)		CRIM2200	Criminology	2/(3)
Electives	May include: BIO 317, 319, 345, 351 CHEM 313, 331, 345, 346 GEOG 361	(7)				
	<i>Environmental Biology Emphasis</i>	26				
BIO 317	Ecology and Field Biology	(3)		BIOS2200	Principles of Ecology w lab	4/(6)
BIO 351	General Microbiology	(4)		BIOS2460	Microbiology w lab	4/(6)
CHEM 116	General Inorganic & Qualitative Analysis	(4)		CHEM1100	General Chemistry II	4/(6)
CHEM 325	Quantitative Analytical Chemistry	(4)				
CHEM 331	Organic Chemistry II	(4)		CHEM2520	Organic Chemistry II	4/(6)
Electives	May include CHEM 345, CHEM 346	(7)				
	<i>Conservation Biology Emphasis</i>	27				
BIO 317	Ecology & Field Biology	(3)		BIOS2200	Principles of Ecology w lab	4/(6)
BIO 345	Midwest Floral Identification	(3)				
BIO 377	Conservation Biology	(3)				
BIO 36X	One Biology Study Tour	(3)				
SCI 315	Environmental Science	(3)		BIOS1030	Environmental Biology	3/(4.5)
Supporting	CS 121 (or higher level); CTA 211; ECON 101, 102; ENG 221; GEOG 202, 361; PS 111; SOC 221; BUS 300	(12)				