

TRANSFER ARTICULATION AGREEMENT
SUNY Erie (ECC) A.S. Natural Science
Canisius College (CC) B.S. Biochemistry (ACS-Certified Track)

ECC Course Work	Credit	CC Equivalency	Credit	Remaining CC Requirements	Credit
Major Course Work					
CH 180 University Chemistry I & CH 181 Lab for CH 180	4	CHM 111 & 111L General Chem I and lab	4	CHM 244 Inorganic Chemistry	3
CH 182 University Chemistry II & CH 183 Lab for CH 182	4	CHM 112 & 112L General Chem II and lab	4	CHM 301 & 301L Fundamental Physical Chemistry and lab	4
CH 220 Organic Chemistry I & CH 221 Lab for CH 220	4	CHM 227 & 227L Organic Chem I and lab	4	CHM 302 & 302L Modern Physical Chemistry and lab	4
CH 222 Organic Chemistry II & CH 223 Lab for CH 222	4	CHM 228 and 228L Organic Chem II and lab	4	CHM 334 & 334L Spectrometric Analysis and lab or CHM 430 and 430L Instrumental Analytical Chemistry	4
CH 240 Analytical Chemistry & CH 241 Lab for CH 240	4	CHM 230 Analytical Chemistry and lab	4	CHM 420 & 420L Materials Chemistry and lab	4
BI 110 Biology I & BI 112 Lab for BI 110	4	BIO 111 and 111L Intro to Biology I and lab	4	CHM 381 Scientific Literature and Communication	1
				CHM 480 Communicating Concepts in Chemistry	1
				CHM 481 Communicating Research Literature	1
				BCH 301 & 301L Intro to Biochemistry and lab	4
				BCH 302 Cellular Biochemistry	3
				BCH 403 & 403L Molecular Biology and lab	4
				BIO 112 and 112L Intro to Biology II and lab	4
				PHY 223 General Physics for Physical Science Majors I and PHY 223L lab	4
	24 CR		24 CR		41 CR

Core (GEN ED) and other requirements not included above					
EN 100 Composition I or 110 College Composition	3	ENG 111 Academic Writing	3	RST101 Intro to Religious Studies	3
EN 101 Composition for the Humanities, 102 Composition for the STEM Disciplines, or EN 111 Composition and Interpretation of Literature	3	ENG 112 Writing about Lit.	3	PHI 101 Intro to Philosophy	3
MT 181 Calculus and Analytic Geometry I (Math elective)	4	MAT 111 Calculus I & Field 7: Mathematics	4	Field 1: Religious Studies	3
MT 182 Calculus and Analytic Geometry II (Math elective)	4	MAT 112 Calculus II	4	Field 2: Philosophy	3
SO 100 Intro to Sociology (Social Science elective)	3	SOC 101 Intro to Sociology & Field 5: Social Sciences	3	Justice Attribute	3
HI 101 American History I (Social Science elective)	3	HIS 123 History of US: Colonial to Reconstruction & Field 4: History & Diversity	3	Advance Writing-Intensive	3
AT or MU (Humanities, Arts, FL elective)	3	Field 3: Literature and Arts	3	Core Capstone	3
SP 110 Elementary Spanish I (Humanities, Arts, FL elective)	3	SPA 103 Spanish I	3	Ethics attribute	3
Liberal Arts electives	6	Free electives	6	Global awareness attribute	3
Open electives	6-9	Free electives	4	Oral communication attribute	3
	38-41 CR		36 CR		30 CR
Total Credits	62		60*		71

*A maximum of 60 credits can be transferred from a two year college to Canisius and a minimum of 18 credits in the major must be completed at Canisius. Students need a minimum of 120 credit hours from their Major, Core Curriculum and free elective courses to meet graduation requirements. Accepted students have a transfer evaluation completed prior to enrollment and work with an advisor to map out a pathway to graduation.

2021