



STATE DISCIPLINE FRAMEWORK COURSE STRUCTURE - PRIVATE COLLEGE APPROVAL DOCUMENTATION

DISCIPLINE FRAMEWORK:	Chemistry	Framework CREDITS	20 Clarke	PRIVATE COLLEGE/UNIVERSITY:	Clarke University
Sponsoring Community College:	Northeast Iowa Community College	Total Award CREDITS	60-64		
Electronic Signature 4-year college				4-Year College Contact Name:	Karen Glover
College Signed Date:	Date TMSA Approved for All TM:	10/14/20		4-Year College Contact Email:	karen.glover@clarke.edu
CC AWARD TYPE:	AS	CIP #	27.01010200	ITSO	03 09 11 03

Core Elements	Cr Hrs	CC Course Number	Community College Course Name	4-Year Private	Cr Hrs	4-Year Course #	4-Year Course Name(s)	Articulation Issues/Questions/Advising Notes
General Chemistry Sequence	8	CHM 165 + CHM 175 (8)	General Chemistry I & II	Clarke University	8 or 10	CHEM 110 & CHEM 111	GENERAL CHEMISTRY I (4) & GENERAL CHEMISTRY II (4)	The equates on this form are only approved for a BA in Chemistry or a BA in Bio Chemistry, not for a BS in Bio Chemistry
OR		CHM 166 + CHM 176 (10)	General Chemistry I & II			CHEM 110 & CHEM 111	GENERAL CHEMISTRY I (4) & GENERAL CHEMISTRY II (4)	
OR		CHM 157 + CHM 158 + CHM 159 (10)	Principles of Chemistry I, II, & III			CHEM 110 & CHEM 111	GENERAL CHEMISTRY I (6) & GENERAL CHEMISTRY II (4)	
OR		CHM 163 + CHM 164 + CHM173 + CHM 174 (8)	General Chemistry I + Lab & General Chemistry II + Lab			CHEM 110 & CHEM 111	GENERAL CHEMISTRY I (4) & GENERAL CHEMISTRY II (4)	
OR		CHM160 + CHM 161 + CHM 170 + CHM171 (9)	Chemistry I + Lab & Chemistry II + Lab			CHEM 110 & CHEM 111	GENERAL CHEMISTRY I (4) & GENERAL CHEMISTRY II (4)	
Calculus I	4	MAT 210	Calculus I	Clarke University	4	MATH 225 or MATH 226	Calculus I or Calculus II	Clarke does not require Calculus for the BA in Chemistry or in Bio Chemistry. Only MATH 117 (Pre-Calculus with Algebra) is required. Calculus would be accepted, of course, in place of MATH 117. NOTE: Students have to take Pre-Calculus (3 cr) before entering Clarke to finish in 2 years. If students had Calculus I or II, they do not need to have Pre-Calculus
OR		MAT 211 (5)	Calculus I					
Calculus II	4	MAT 216	Calculus II					
OR		MAT 217 (5)	Calculus II					
Organic Chemistry Sequence	67 On Regents	CHM 260 + CHM 270 (6)	Organic Chemistry I & II	Clarke University	8	NA	NA	HAWKEYE COMMUNITY COLLEGE 3 credit with no lab - Clarke is 4+4
OR	8	CHM 261 + CHM 271 (8)	Organic Chemistry I & II			CHEM 221 & CHEM 222	ORGANIC CHEMISTRY I (4) & ORGANIC CHEMISTRY II (4)	
OR		CHM 262 + CHM 272 (9)	Organic Chemistry I & II			CHEM 221 & CHEM 222	ORGANIC CHEMISTRY I (4) & ORGANIC CHEMISTRY II (4)	
OR		CHM 263 + CHM 273 (10)	Organic Chemistry I & II			CHEM 221 & CHEM 222		
OR		CHM 251 + CHM 252 + CHM 253 (9)	Organic Chemistry I & II & III			CHEM 221 & CHEM 222	ORGANIC CHEMISTRY I (4) & ORGANIC CHEMISTRY II (4)	
Remaining Math/Science		Clarke University accepts the Associates of Arts and Associates of Science degrees from institutions accredited by the Higher Learning Commission (HLC) or its national affiliated equivalent accrediting associations. These students will enter Clarke with junior status, and fulfill the Clarke Compass (general education) requirements with the AA or AS degree in addition to completing the following courses: CMPS 102 - Compass Navigator: Transfer and Non-Traditional (1 credit) and CMPS 450 - Compass Seminar III (3 credits).						
Remaining Communications								
Remaining Humanities								
Remaining Social Sciences								
Remaining Distributed								
Remaining Electives								
Total Community College credits:		Varies	Varies	4-Year credits: (Must be 60-64)	60-64			
Notes:							Advising Recommendation: If possible take CHEM 233 ANALYTICAL CHEMISTRY (4) before coming to Clarke. It is a requirement for Clarke's major. It can still be taken at Clarke and finish in two years.	Community College Equate: CHM210 ANALYTICAL INSTRUMENTATION (4)